

List of Pages and Lines Exempt from Disclosure

Task Order 6 – Task Order and Modifications		
Task Order 6 Modification 0001 Modification 0002 Modification 0003 Modification 0004 Modification 0005 Modification 0006 Modification 0007 Modification 0009 Modification 0013	Fixed Fee Amounts	Delete the values associated with the fixed fee amounts. These deletions are essential to prevent a competitor from obtaining access to SAIC confidential financial information critical to our proposal effort. Release of this data could give a competitor an unfair advantage in future procurements by allowing them to underbid SAIC.

Task Order 6 - Cost Proposal		
(1) Cost Proposal TO #6, Engineering, Design, Testing, and Support for CONWxB and MON Hardening Projects, Page 1 (2) Cost Proposal TO #3, Tropical Atmosphere Ocean IT Support, Page 1	All lines	Delete the values associated with the price, total contract amounts, pricing rates, and hours. These deletions are essential to prevent a competitor from obtaining access to SAIC confidential financial information critical to our proposal effort. Release of this data could give a competitor an unfair advantage in future procurements by allowing them to underbid SAIC.

Task Order 6 - Task Management Plan TMP-6, Version 10		
Page 1 Page 2 Page 3 Pages 4 - 5 Page 6 Page 11 Page 12	Lines 31-33, 38-42 Lines 1-2, 7-12, 23-32, 43-44 Lines 1-2, 11-23, 32-42 All lines Lines 1-24 Lines 34-42 Lines 15-21	These pages describe SAIC's technical approach for accomplishing the CONWxB and MON Hardening project SOW. This approach is a result of SAIC's own creative knowledge and experience

Page 14 Appendix A Appendix B Appendix C	Lines 6-48 All lines All lines All lines	and is not publicly available. Release of this confidential information would cause substantial harm to SAIC's competitive posture on future procurements by allowing competitors to duplicate this technical approach to SAIC's detriment.
Page 12 Page 13	Lines 43-44 Line 1	Delete the names of SAIC personnel. Release of the names of SAIC personnel would allow competitors the ability to contact these personnel for the purpose of pirating them away from SAIC, thereby harming our competitive position.

Task Order 6 - Work Breakdown Structure/GANTT Schedule		
(1) GANTT/WBS dated 1/30/06 All Pages (2) GANTT dated 12/31/06 All Pages	All Lines	Delete SAIC's estimated hours for the described taskings. This deletion is essential to prevent a competitor from obtaining access to SAIC confidential pricing information critical to our proposal effort. Release of this data could give a competitor an unfair advantage in future procurements by allowing them to underbid SAIC.

ORDER FOR SUPPLIES OR SERVICES

PAGE 1 OF PAGES 3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

1. DATE OF ORDER 01 Jul 2005	2. CONTRACT NO. (if any) OA133005CO1035	6. SHIP TO: WG953023	
3. ORDER NO. 0006	4. REQUISITION/REFERENCE NO. NWWG9500-5-24895 / 24896	a. NAME OF CONSIGNEE NATIONAL DATA BUOY CENTER	
5. ISSUING OFFICE Address correspondence to: WG953023 NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPS53 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 DENNIS E. MORRIS 228-688-1705 TIN: 953630868		b. STREET ADDRESS RESOURCES BRANCH /W/OPS53 BUILDING 1100	
7. TO: 00004157		c. CITY STENNIS SPACE CENTER	d. STATE MS
a. Name of Contractor SAIC DUNS: 148095086		e. ZIP CODE 39529-6000	
b. Company Name SCIENCE APPLICATIONS INTERNATIONAL CORPORATION		f. SHIP VIA	
c. Street Address 10260 CAMPUS POINT DRIVE MAIL STOP G2		8. TYPE OF ORDER	
d. City SAN DIEGO e. State CA f. Zip 921211578		a. PURCHASE <input type="checkbox"/> b. DELIVERY <input checked="" type="checkbox"/>	
9. ACCOUNTING AND APPROPRIATION See Attached Schedule		REFERENCE YOUR: Please furnish the following on the terms and conditions specified on both sides of this order and on the attached sheet, if any, including delivery as indicated.	
BOC: OBLIGATED AMT: \$211,025.98		Except for billing instructions on the reverse, this delivery order is subject to instructions contained on this side only of this form and is issued subject to the terms and conditions of the above-numbered contract.	
		10. REQUISITIONING OFFICE WG9500	

11. BUSINESS CLASSIFICATION (Check appropriate box(es))			
<input type="checkbox"/> a. SMALL	<input checked="" type="checkbox"/> b. OTHER THAN SMALL	<input type="checkbox"/> c. DISADVANTAGED	<input type="checkbox"/> d. WOMEN-OWNED
12. F.O.B. POINT DESTINATION		14. GOVERNMENT B/L NO.	15. DELIVER TO F.O.B. POINT ON OR BEFORE 30 Jun.2006
13. PLACE OF a. INSPECTION b. ACCEPTANCE			16. DISCOUNT TERMS 00.00% 0 Days Net 0

17. SCHEDULE (See reverse for Rejections)						
ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QTY ACCEPT. (g)
	SEE SCHEDULE					

18. SHIPPING POINT	19. GROSS SHIPPING WEIGHT	20. INVOICE NO.	17(h) TOTAL (Cont. pages)
21. MAIL INVOICE TO:			
a. NAME NATIONAL DATA BUOY CENTER			US\$ 211,025.98
b. STREET ADDRESS (or P.O. Box) RESOURCES BRANCH /W/OPS53 BUILDING 1100			
c. CITY STENNIS SPACE CENTER	d. STATE MS	e. ZIP CODE 39529-6000	

22. UNITED STATES OF AMERICA BY (Signature) <i>DDBLR 7/1/05</i>	23. NAME (Typed) TIMOTHY D. BLACK (TITLE CONTRACTING/ORDERING OFFICER)	228-688-2382
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ORDER FOR SUPPLIES OR SERVICES - Continuation

PAGE 2 OF PAGES 3

IMPORTANT: Mark all packages and papers with contract and/or order numbers.

DATE OF ORDER 01 Jul 2005		CONTRACT NO. (if any) QA133005CQ1035		ORDER NO. 0006		
ITEM NO. (a)	SUPPLIES OR SERVICES (b)	QUANTITY ORDERED (c)	UNIT (d)	UNIT PRICE (e)	AMOUNT (f)	QTY ACCEPT. (g)
0001	<p>TASK ORDER 05-TOS-06 ENGINEERING DESIGN, TESTING AND SUPPORT FOR ConWxB AND MON HARDENING PROJECTS.</p> <p>Provide all labor and materials to accomplish Engineering Design, Testing and Support for ConWxB and MON Hardening Projects in accordance with the Task Management Plan (TMP). The performance period for this task order is 07/01/2005-06/30/2006.</p> <p>CPFF</p> <p>The fixed fee for this task order is [REDACTED]</p> <p>Accounting and Appropriation Data: 14.05.C2KC4BCPW734010704012.200600009- 5000000.25130000 \$ 51,025.98 14.05.C2KC4CPP6C34010704011.200600009- 5000000.25130000 \$ 160,000.00</p>	1	JB	211,025.98	211,025.98	

24896
24895

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. Contract ID Code	Page 1 of Pages 3
2. Amendment/Modification No. 0001	3. Effective Date Aug 24, 2005	4. Requisition/Purchase Req. No. NWWG9500-5-25306	5. Project No. (if applicable)	
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPS53 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 TIMOTHY D. BLACK 228-688-2382		7. Administered By (If other than Item 6) SEE BLOCK 6	Code	
8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNATIONAL CORP 10260 CAMPUS POINT DRIVE MAIL STOP G2 SAN DIEGO CA 921211578			(X)	9A. Amendment of Solicitation No.
Vendor ID: 00004157 DUNS: 148095086 CAGE: 0T5L1				9B. Date (See Item 11)
			X	10A. Modification of Contract/Order No. QA1330-05-CQ-1035 0006
				10B. Date (See Item 13) Jul 1, 2005
Code		Facility Code		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)
See Schedule \$ US 998,723.05

**13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.**

(x)	A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
	B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)
X	C. This supplemental agreement is entered into pursuant to authority of: In Scope Change within the Terms and Conditions of this Task Order by Mutual Agreement
	D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 3 copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

The details of this modification can be found on pages 2-3.

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) Amanda Carey Contracts Rep.	16A. Name and title of Contracting Officer (Type or Print) TIMOTHY D. BLACK Contracting Officer tim.black@nasa.gov	228-688-2382
15B. Contractor/Officer Amanda Carey (Signature of person authorized to sign)	15C. Date Signed 8/25/05	16B. United States of America (Signature of Contracting Officer)
		16C. Date Signed 8/25/05

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0002	<p>TASK ORDER 05-TOS-06 ENGINEERING DESIGN, TESTING AND SUPPORT FOR CONWxB AND MON HARDENING PROJECTS II.</p> <p>Provide all labor and materials to accomplish the second set of tasks for this task order identified in the attached Task Management Plan (TMP). The performance period for this TMP is 08/25/05-09/30/06.</p> <p>CPFF</p> <p>The fixed fee for this task is [REDACTED]</p> <p>Accounting and Appropriation Data: 14.05.C2KC4BCPW734010704012.200600009500 0000.25130000 US\$ 251,029.36</p>	1	JB	251,029.36	251,029.36
0003	<p>INVESTIGATE AND IMPROVE CONWxB ENGINEERING AND OPERATIONAL SUPPORT</p> <p>The intent of this line item is to cover a series of indefinite tasks associated with this project. This line item is to be triggered by operational needs and exercised by the Contracting Officer with a bilateral agreement between the Government and the Contractor by way of issuance of a Notice to Proceed (NTP) and subsequent acceptance. The tasks include, but are not limited to, investigating and improving directional wave measurement; ocean current measurement (surface current and current profile); conductivity, temperature, and depth measurement; and inductive modem communications.</p> <p>TOTAL CLIN AMOUNT TOTAL SUM ALLOTTED</p> <p>\$1,047,384.69 \$747,639.69</p> <p>Accounting and Appropriation Data: 14.05.C2KC4CPP6C34010704011.2006000095000 000.25130000 US\$ 180,000.00 14.05.C2KC4BCPW734010704012.200600009500 0000.25130000 US\$ 567,693.69</p>	1	JB	1,047,384.69	1,047,384.69

CONTINUATION OF SF 30 BLOCK 14

1. The purpose of this modification is to add two Contract Line Items (CLIN) to this task order.

2. Add CLIN 0002 to accomplish the seven tasks identified in the attached Task Management Plan. See page 2 for the details of this CLIN. The following accounting and appropriation data is added to this CLIN:

1405C2KC4BCPW734010704012200600009500000025130000 \$251,029.36

3. Add CLIN 0003 to accomplish investigations and improvements as they are identified. See page 2 for the details of this CLIN. The following accounting and appropriation data is added to this CLIN:

1405C2KC4BCPW734010704012200600009500000025130000 \$567,693.69

1405C2KC4CPP6C34010704011200600009500000025130000 \$180,000.00

END OF MODIFICATION

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Page 1 of Pages 2

2. Amendment/Modification No.
0002

3. Effective Date
Nov 14, 2005

4. Requisition/Purchase Req. No.

5. Project No. (if applicable)

6. Issued By
NATIONAL DATA BUOY CENTER
RESOURCES BRANCH /W/OPS53
BUILDING 1100
STENNIS SPACE CENTER, MS 39529-6000
TIMOTHY D. BLACK 228-688-2382

7. Administered By (If other than Item 6)
SEE BLOCK 6

Code

8. Name and Address of Contractor (No., Street, County, and Zip Code)

SCIENCE APPLICATIONS INTERNATIONAL CORP Vendor ID: 00004157
10260 CAMPUS POINT DRIVE DUNS: 148095086
MAIL STOP G2
SAN DIEGO CA 921211578 CAGE: 0T5L1

(X) 9A. Amendment of Solicitation No.

9B. Date (See Item 11)

10A. Modification of Contract/Order No.

QA1330-05-CQ-1035 0006

10B. Date (See Item 13)

Jul 1, 2005

Code Facility Code

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)

See Schedule \$ US 0.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X) A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.

B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)

X C. This supplemental agreement is entered into pursuant to authority of:
CLIN 0003 - Investigate and Improve CONWxB Engineering and Operational Support

D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 3 copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

- The purpose of this modification is to activate a task under CLIN 0003.
- See page two for the details of this task. The Task Management Plan is attached to this modification.
- The total value of this task order remains unchanged.

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print)

Amanda Carey
Contracts Representative

16A. Name and title of Contracting Officer (Type or Print)

TIMOTHY D. BLACK 228-688-2382
Contracting Officer
tim.black@noaa.gov

15B. Contractor/Officer

15C. Date Signed

16B. United States of America

16C. Date Signed

(Signature of person authorized to sign)

11/15/05

(Signature of Contracting Officer)

NSN 7540-01-152-8070

PREVIOUS EDITIONS UNUSABLE

30-105

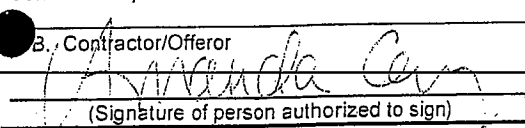
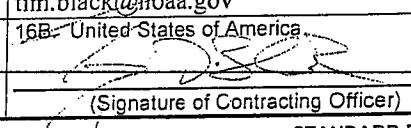
STANDARD FORM 30 (REV. 10-83)

Prescribed by GSA FAR (48 CFR) 53.243

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0003	<p>INVESTIGATE AND IMPROVE CONWxB ENGINEERING AND OPERATIONAL SUPPORT</p> <p>The intent of this line item is to cover a series of indefinite tasks associated with this project. This line item is to be triggered by operational needs and exercised by the Contracting Officer with a bilateral agreement between the Government and the Contractor by way of issuance of a Notice to Proceed (NTP) and subsequent acceptance. The tasks include, but are not limited to, investigating and improving directional wave measurement; ocean current measurement (surface current and current profile); conductivity, temperature, and depth measurement; and inductive modem communications.</p> <p>TOTAL CLIN AMOUNT TOTAL SUM ALLOTTED</p> <p>\$1,047,384.69 \$747,639.69</p> <p>Accounting and Appropriation Data: 14.05.C2KC4CPP6C34010704011.2006000095000 000.25130000 US\$ 180,000.00 14.05.C2KC4BCPW734010704012.2006000095000 0000.25130000 US\$ 567,693.69</p> <p>INFORMATIONAL SUB-CLIN</p>	1	JB	1,047,384.69	1,047,384.69
0003AA	<p>MINERALS MANAGEMENT SERVICE (MMS) PROJECT PHASE II AND PHASE III</p> <p>This line item shall serve as a Notice to Proceed (NTP) for this effort. Provide all labor and materials to accomplish this task in accordance with the attached Task Management Plan (TMP). The period of performance for this task is 11/01/2005 - 03/31/2006.</p> <p>CPFF</p> <p>The funds allotted to accomplish this task is \$39,321.31. The fixed fee for this task is [REDACTED]</p>			NSP	NSP

Went

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. Contract ID Code	Page 1	of Pages 2
2. Amendment/Modification No. 0003	3. Effective Date Dec 29, 2005	4. Requisition/Purchase Req. No. NWWG9500-6-ADM02	5. Project No. (if applicable)		
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPSS3 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 TIMOTHY D. BLACK 228-688-2382	Code WG953023	7. Administered By (If other than Item 6) SEE BLOCK 6		Code	
8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNATIONAL CORP. Vendor ID: 00004157 10260 CAMPUS POINT DRIVE DUNS: 148095086 MAIL STOP G2 SAN DIEGO CA 921211578 CAGE: 0T5L1		(X)	9A. Amendment of Solicitation No.		
			9B. Date (See Item 11)		
		X	10A. Modification of Contract/Order No. QA1330-05-CQ-1035 0006		
			10B. Date (See Item 13) Jul 1, 2005		
Code		Facility Code			
11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS					
<input type="checkbox"/> The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers <input type="checkbox"/> is extended <input checked="" type="checkbox"/> is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.					
12. Accounting and Appropriation Data (if required) See Schedule \$ US 0.00					
13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.					
A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.					
B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)					
X C. This supplemental agreement is entered into pursuant to authority of: CLIN 0003 - Investigate and Improve CONWxB Engineering and Operational Support					
D. Other (Specify type of modification and authority)					
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 3 copies to the issuing office.					
14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)					
1. The purpose of this modification is to activate a task under CLIN 0003.					
2. See page two for the details of this task. The Task Management Plan is attached to this modification.					
3. The total value of this task order remains unchanged.					
Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.					
15A. Name and Title of Signer (Type or Print) Amanda Carey Contracts Representative		16A. Name and title of Contracting Officer (Type or Print) TIMOTHY D. BLACK 228-688-2382 Contracting Officer tim.black@noaa.gov			
B. Contractor/Officer  (Signature of person authorized to sign)		15C. Date Signed 12/29/05		16B. United States of America  (Signature of Contracting Officer)	
				16C. Date Signed Dec 29, 2005	
NSN 7540-01-152-8070 30-105 STANDARD FORM 30 (REV. 10-83) PREVIOUS EDITIONS UNUSABLE Prescribed by GSA FAR (48 CFR) 53.243					

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0003	<p>INVESTIGATE AND IMPROVE CONWxB ENGINEERING AND OPERATIONAL SUPPORT</p> <p>The intent of this line item is to cover a series of indefinite tasks associated with this project. This line item is to be triggered by operational needs and exercised by the Contracting Officer with a bilateral agreement between the Government and the Contractor by way of issuance of a Notice to Proceed (NTP) and subsequent acceptance. The tasks include, but are not limited to, investigating and improving directional wave measurement; ocean current measurement (surface current and current profile); conductivity, temperature, and depth measurement; and inductive modem communications.</p> <p>TOTAL CLIN AMOUNT TOTAL SUM ALLOTTED</p> <p>\$1,047,384.69 \$747,639.69</p> <p>Accounting and Appropriation Data: 14.05.C2KC4CPP6C34010704011.2006000095000 000.25130000 US\$ 180,000.00 14.05.C2KC4BCPW734010704012.200600009500 0000.25130000 US\$ 567,693.69</p>	1	JB	1,047,384.69	1,047,384.69
0003AB	<p>INFORMATIONAL SUB-CLIN REPLACEMENT WEATHER/OCEAN WORK STATION AND PCO2 SENSOR AUGMENTATION</p> <p>This line item shall serve as a Notice to Proceed (NTP) for this effort. Provide all labor and materials to accomplish this task in accordance with the attached Task Management Plan (TMP). The period of performance for this task is 11/15/2005-03/31/2006.</p> <p>CPFF</p> <p>The funds allotted to accomplish this task are \$74,617.42. The fixed fee for this task is [REDACTED]</p>	0	EA	NSP	NSP

*AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code

Page

of Pages

1

2

2. Amendment/Modification No.

0004

3. Effective Date

Jan 27, 2006

4. Requisition/Purchase Req. No.

NWWG9500-6-ADM04

5. Project No. (if applicable)

6. Issued By

NATIONAL DATA BUOY CENTER

RESOURCES BRANCH /W/OPS53

BUILDING 1100

STENNIS SPACE CENTER, MS 39529-6000

TIMOTHY D. BLACK 228-688-2382

Code WG953023

7. Administered By (If other than Item 6)

SEE BLOCK 6

Code

8. Name and Address of Contractor (No., Street, County, and Zip Code)

SCIENCE APPLICATIONS INTERNATIONAL CORP

10260 CAMPUS POINT DRIVE

MAIL STOP G2

SAN DIEGO CA 921211578

Vendor ID: 00004157

DUNS: 148095086

CAGE: 0T5L1

(X)

9A. Amendment of Solicitation No.

9B. Date (See Item 11)

10A. Modification of Contract/Order No.

QA1330-05-CQ-1035 0006

10B. Date (See Item 13)

Jul 1, 2005

X

Code

Facility Code

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)

See Schedule \$ US 0.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.

IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X) A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.

B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)

X C. This supplemental agreement is entered into pursuant to authority of:
In scope change within the terms and conditions of this task order by mutual agreement

D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 3 copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. The purpose of this modification is to adjust cost estimates for CLINs 0001 and 0002. The net effect of this change is \$0.00.

2. See page 2 of this modification for the details of CLIN 0001 and 0002.

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print)

Amanda Carey
Contracts R.P.

16A. Name and title of Contracting Officer (Type or Print)

TIMOTHY D. BLACK

228-688-2382

Contracting Officer

tim.black@noaa.gov

15B. Contractor/Officer

15C. Date Signed

1/27/06

16B. United States of America

16C. Date Signed

1/27/06

(Signature of person authorized to sign)

(Signature of Contracting Officer)

30-105

STANDARD FORM 30 (REV. 10-83)

Prescribed by GSA FAR (48 CFR) 53.243

NSN 7540-01-152-8070

PREVIOUS EDITIONS UNUSABLE

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0001	<p>TASK ORDER 05-TOS-06 ENGINEERING DESIGN, TESTING AND SUPPORT FOR ConWxB AND MON HARDENING PROJECTS.</p> <p>Provide all labor and materials to accomplish Engineering Design, Testing and Support for ConWxB and MON Hardening Projects in accordance with the Task Management Plan (TMP). The performance period for this task order is 07/01/2005-06/30/2006.</p> <p>CPFF</p> <p>The fixed fee for this task order is [REDACTED]</p> <p>Accounting and Appropriation Data: 14.05.C2KC4BCPW734010704012.200600009500 0000.25130000 US\$ 83,380.46 14.05.C2KC4CPP6C34010704011.2006000095000 000.25130000 US\$ 160,000.00</p>	1	JB	243,380.46	243,380.46
0002	<p>TASK ORDER 05-TOS-06 ENGINEERING DESIGN, TESTING AND SUPPORT FOR CONWxB AND MON HARDENING PROJECTS II.</p> <p>Provide all labor and materials to accomplish the second set of tasks for this task order identified in the attached Task Management Plan (TMP). The performance period for this TMP is 08/25/05-09/30/06.</p> <p>CPFF</p> <p>The fixed fee for this task is [REDACTED]</p> <p>Accounting and Appropriation Data: 14.05.C2KC4BCPW734010704012.200600009500 0000.25130000 US\$ 218,674.88</p>	1	JB	218,674.88	218,674.88

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Page 1 of Pages 3

2. Amendment/Modification No. 0005	3. Effective Date Apr 27, 2006	4. Requisition/Purchase Req. No. NWWG9500-6-28337 & 28634	5. Project No. (if applicable)
6. Issued By SCIENCE APPLICATIONS INTERNATIONAL CORP RESOURCES BRANCH /W/OPSS3 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 TIMOTHY D. BLACK 228-688-2382		7. Administered By (If other than Item 6) SEE BLOCK 6	

8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNATIONAL CORP 10260 CAMPUS POINT DRIVE MAIL STOP G2 SAN DIEGO CA 921211578		Vendor ID: 00004157 DUNS: 148095086 CAGE: 0T5L1	(X) 9A. Amendment of Solicitation No. 9B. Date (See Item 11) 10A. Modification of Contract/Order No. QA1330-05-CQ-1035 0006 10B. Date (See Item 13) Jul 1, 2005
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Code	Facility Code
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)
See Schedule \$ US 1,058,905.59

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set fourth item 14, pursuant to the authority of FAR 43.103 (b)
C. This supplemental agreement is entered into pursuant to authority of:
D. Other (Specify type of modification and authority) Exercise CLIN 0003 and FAR 52.232-22 Limitation of Funds (Apr 1984)
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 3 copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

- The purpose of this modification is to increase the value, add funds, and activate tasks under CLIN 0003. The accounting and appropriation data is new and must be added to the task order.
- See page 2 for the details of this task. Add the following funds to this task order for CLIN 0003:
1406D2KC4CWP0036060901002200600009500000025130000 \$1,058,905.59
- Change the total value of CLIN 0003 from \$1,047,384.69 to \$1,806,599.28, a net increase of \$759,214.59.

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) Amanda Carey contracts rep	16A. Name and title of Contracting Officer (Type or Print) TIMOTHY D. BLACK Contracting Officer tim.black@noaa.gov
15B. Contractor/Officer Amanda Carey	15C. Date Signed 5/12/06
16B. United States of America (Signature of Contracting Officer)	16C. Date Signed May 12, 2006

NSN 7540-01-152-8070

PREVIOUS EDITIONS UNUSABLE

30-105

STANDARD FORM 30 (REV. 10-83)

Prescribed by GSA FAR (48 CFR) 53.243

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount								
0003	<p>INVESTIGATE AND IMPROVE CONWxB ENGINEERING AND OPERATIONAL SUPPORT</p> <p>The intent of this line item is to cover a series of indefinite tasks associated with this project. This line item is to be triggered by operational needs and exercised by the Contracting Officer with a bilateral agreement between the Government and the Contractor by way of issuance of a Notice to Proceed (NTP) and subsequent acceptance. The tasks include, but are not limited to, investigating and improving directional wave measurement; ocean current measurement (surface current and current profile); conductivity, temperature, and depth measurement; and inductive modem communications.</p> <table><tr><td>TOTAL CLIN AMOUNT</td><td>TOTAL SUM ALLOTTED</td></tr><tr><td>Previous: \$1,047,384.69</td><td>\$ 747,693.69</td></tr><tr><td>Change: <u>759,214.59</u></td><td><u>1,058,905.59</u></td></tr><tr><td>Current: \$1,806,599.28</td><td>\$1,806,599.28</td></tr></table> <p>Accounting and Appropriation Data: 14.05.C2KC4CPP6C34010704011.2006000095000 000.25130000 US\$ 180,000.00 14.05.C2KC4BCPW734010704012.200600009500 0000.25130000 US\$ 567,693.69 14.06.D2KC4CWP0036060901002.200600009500 0000.25130000 US\$ 1,058,905.59</p> <p>INFORMATIONAL SUB-CLIN</p>	TOTAL CLIN AMOUNT	TOTAL SUM ALLOTTED	Previous: \$1,047,384.69	\$ 747,693.69	Change: <u>759,214.59</u>	<u>1,058,905.59</u>	Current: \$1,806,599.28	\$1,806,599.28	1	JB	1,806,599.28	1,806,599.28
TOTAL CLIN AMOUNT	TOTAL SUM ALLOTTED												
Previous: \$1,047,384.69	\$ 747,693.69												
Change: <u>759,214.59</u>	<u>1,058,905.59</u>												
Current: \$1,806,599.28	\$1,806,599.28												
0003AC	<p>IMPROVE DISSEMINATION, QC, AND STORAGE OF OCEANOGRAPHIC DATA</p> <p>This line item shall serve as a Notice to Proceed (NTP) for this effort. Provide all labor and materials to accomplish this task in accordance with the attached Task Management Plan (TMP). The period of performance for this task is April 13, 2006 - June 12, 2006.</p> <p>CPFF</p> <p>The funds allotted to complete this task are \$60,494.04. The fixed fee is [REDACTED]</p>			NSP	NSP								

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0003AD	<p>INFORMATIONAL SUB-CLIN</p> <p>TECHNOLOGY DEVELOPMENT AND REFRESH FOR NDBC OCEAN MEASUREMENT PROJECTS</p> <p>This line item shall serve as a Notice to Proceed (NTP) for this effort. Provide all labor and materials to accomplish this task in accordance with the attached Task Management Plan (TMP). The period of performance of this task is 05/12/2006 - 09/30/2007.</p> <p>CPFF</p> <p>The funds allotted to accomplish this task are \$998,411.55. The fixed fee for this task is [REDACTED]</p>			NSP	NSP

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code

Page 1 of Pages 2

2. Amendment/Modification No.
00063. Effective Date
May 24, 20064. Requisition/Purchase Req. No.
NWWG9500-6-ADM07

5. Project No. (if applicable)

6. Issued By
NATIONAL DATA BUOY CENTER
RESOURCES BRANCH /W/OPS53
BUILDING 1100
STENNIS SPACE CENTER, MS 39529-6000
TIMOTHY D. BLACK 228-688-2382

Code WG953023

7. Administered By (If other than Item 6)
SEE BLOCK 6

Code

8. Name and Address of Contractor (No., Street, County, and Zip Code)

SCIENCE APPLICATIONS INTERNATIONAL CORPO Vendor ID: 00004157
10260 CAMPUS POINT DRIVE DUNS: 148095086
MAIL STOP G2
SAN DIEGO CA 921211578 CAGE: 0T5L1

(X)

9A. Amendment of Solicitation No.

9B. Date (See Item 11)

10A. Modification of Contract/Order No.

QA1330-05-CQ-1035 0006

10B. Date (See Item 13)

Jul 1, 2005

Code

Facility Code

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)

See Schedule \$ US 0.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.

IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.

B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)

X C. This supplemental agreement is entered into pursuant to authority of:
In scope change within the terms and conditions of this task order by mutual agreement.

D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 3 copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. The purpose of this modification is to increase the value under CLIN 0002 and decrease the value under CLIN 0003. The net effect of this change is \$0.00.

2. See page 2 for the details of this task.

3. Change in total value on CLIN 0002 from \$218,674.98 to \$568,501.81, a net increase of \$349,826.93.

4. Change in total value on CLIN 0003 from \$1,806,599.28 to \$1,456,772.35, a net decrease of \$-349,826.93.

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print)

ROBIN R. AMBURN, Contracts Manager

16A. Name and title of Contracting Officer (Type or Print)

TIMOTHY D. BLACK 228-688-2382
Contracting Officer
tim.black@noaa.gov

15B. Contractor/Officer

Robin R. Amburn

(Signature of person authorized to sign)

15C. Date Signed

30 May 2006

16B. United States of America

[Signature]

(Signature of Contracting Officer)

16C. Date Signed

5/26/06

NSN 7540-01-152-8070

30-105

STANDARD FORM 30 (REV. 10-83)

Prescribed by GSA FAR (48 CFR) 53.243

PREVIOUS EDITIONS UNUSABLE

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount								
0002	<p>TASK ORDER 05-TOS-06 ENGINEERING DESIGN, TESTING AND SUPPORT FOR CONWxB AND MON HARDENING PROJECTS II.</p> <p>Provide all labor and materials to accomplish the second set of tasks for this task order identified in the attached Task Management Plan (TMP). The performance period for this TMP is 08/25/05-09/30/06.</p> <table><tr><td>TOTAL CLIN AMOUNT</td><td>TOTAL SUM ALLOTTED</td></tr><tr><td>Previous: \$218,674.98</td><td>\$218,674.98</td></tr><tr><td>Change: <u>349,826.93</u></td><td><u>349,826.93</u></td></tr><tr><td>Current: \$568,501.81</td><td>\$568,501.81</td></tr></table> <p>CPFF</p> <p>The fixed fee for this task is [REDACTED]</p> <p>Accounting and Appropriation Data: 14.05.C2KC4BCPW734010704012.200600009500 0000.25130000 US\$ 568,501.81</p>	TOTAL CLIN AMOUNT	TOTAL SUM ALLOTTED	Previous: \$218,674.98	\$218,674.98	Change: <u>349,826.93</u>	<u>349,826.93</u>	Current: \$568,501.81	\$568,501.81	1	JB	568,501.81	568,501.81
TOTAL CLIN AMOUNT	TOTAL SUM ALLOTTED												
Previous: \$218,674.98	\$218,674.98												
Change: <u>349,826.93</u>	<u>349,826.93</u>												
Current: \$568,501.81	\$568,501.81												
0003	<p>INVESTIGATE AND IMPROVE CONWxB ENGINEERING AND OPERATIONAL SUPPORT</p> <p>The intent of this line item is to cover a series of indefinite tasks associated with this project. This line item is to be triggered by operational needs and exercised by the Contracting Officer with a bilateral agreement between the Government and the Contractor by way of issuance of a Notice to Proceed (NTP) and subsequent acceptance. The tasks include, but are not limited to, investigating and improving directional wave measurement; ocean current measurement (surface current and current profile); conductivity, temperature, and depth measurement; and inductive modem communications.</p> <table><tr><td>TOTAL CLIN AMOUNT</td><td>TOTAL SUM ALLOTTED</td></tr><tr><td>Previous: \$1,806,599.28</td><td>\$1,806,599.28</td></tr><tr><td>Change: <u>-349,826.93</u></td><td><u>-349,826.93</u></td></tr><tr><td>Current: \$1,456,722.35</td><td>\$1,456,722.35</td></tr></table> <p>Accounting and Appropriation Data: 14.05.C2KC4CPP6C34010704011.2006000095000 000.25130000 US\$ 180,000.00 14.05.C2KC4BCPW734010704012.200600009500 0000.25130000 US\$ 217,856.76 14.06.D2KC4CWP0036060901002.200600009500 0000.25130000 US\$ 1,058,905.59</p>	TOTAL CLIN AMOUNT	TOTAL SUM ALLOTTED	Previous: \$1,806,599.28	\$1,806,599.28	Change: <u>-349,826.93</u>	<u>-349,826.93</u>	Current: \$1,456,722.35	\$1,456,722.35	1	JB	1,456,722.35	1,456,722.35
TOTAL CLIN AMOUNT	TOTAL SUM ALLOTTED												
Previous: \$1,806,599.28	\$1,806,599.28												
Change: <u>-349,826.93</u>	<u>-349,826.93</u>												
Current: \$1,456,722.35	\$1,456,722.35												

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT			1. Contract ID Code	Page 1 of Pages 3
2. Amendment/Modification No. 0007	3. Effective Date Aug 31, 2006	4. Requisition/Purchase Req. No. NWWG9500-6-ADM13	5. Project No. (If applicable)	
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPS53 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 AMANDA M. CAREY 228-688-1705		7. Administered By (If other than Item 6) SEE BLOCK 6	Code	
8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNATIONAL CORPO Vendor ID: 00004157 10260 CAMPUS POINT DRIVE DUNS: 148095086 MAIL STOP G2 SAN DIEGO CA 921211578 CAGE: 0T5L1		(X)	9A. Amendment of Solicitation No.	
			9B. Date (See Item 11)	
		X	10A. Modification of Contract/Order No. QA1330-05-CQ-1035 0006	
			10B. Date (See Item 13) Jul 1, 2005	
Code		Facility Code		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)
See Schedule \$ US -283,928.03

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

- A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
- B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)
- C. This supplemental agreement is entered into pursuant to authority of:
- X D. Other (Specify type of modification and authority)
Scope within the terms and conditions of this task order by mutual agreement

E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 3 copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. The estimated value of CLIN 0003 has been reduced from \$1,456,772.35 to \$1,172,844.32, a net decrease of \$283,928.03. As a result of this action, page 3 has been provided as a reference of the change.

2. De-obligate the following accounting and appropriations:
1406D2KC4CWP0036060901002200600009500000025130000 \$(283,928.03)

3. The period of performance has been extended on CLIN 0003, Subclin AC from June 12, 2006 to September 30, 2006. This is a NO-COST extension, all else remains the same. As a result of this action, page 2 has been provided as a reference of the change.

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) BONNIE BARNUM CONTRACTS REPRESENTATIVE	16A. Name and title of Contracting Officer (Type or Print) MARION VEBER Contracting Officer Marion.Veber@noaa.gov 757-441-6647
15B. Contractor/Officer <i>Bonnie L. Barnum</i> (Signature of person authorized to sign)	15C. Date Signed 9/18/06
16B. United States of America <i>Marion Veber</i> (Signature of Contracting Officer)	16C. Date Signed 9/13/06

TASK ORDER VALUE:

	Contract Value	Funded Value
Previous:	\$2,268,654.62	\$2,268,654.62
Change:	-283,928.03	-283,928.03
Current:	\$1,984,726.59	\$1,984,726.59

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount												
0003	<p>INVESTIGATE AND IMPROVE CONWxB ENGINEERING AND OPERATIONAL SUPPORT</p> <p>The intent of this line item is to cover a series of indefinite tasks associated with this project. This line item is to be triggered by operational needs and exercised by the Contracting Officer with a bilateral agreement between the Government and the Contractor by way of issuance of a Notice to Proceed (NTP) and subsequent acceptance. The tasks include, but are not limited to, investigating and improving directional wave measurement; ocean current measurement (surface current and current profile); conductivity, temperature, and depth measurement; and inductive modem communications.</p> <p>FAR 52.232-22 LIMITATION OF FUNDS (APR 1984)</p> <p>CLIN 0003 VALUE:</p> <table><tr><td></td><td>Contract Value</td><td>Funded Value</td></tr><tr><td>Previous:</td><td>\$1,456,772.35</td><td>\$ 1,456,772.35</td></tr><tr><td>Change:</td><td>-283,928.03</td><td>-283,928.03</td></tr><tr><td>Current:</td><td>\$1,172,844.32</td><td>\$1,172,844.32</td></tr></table> <p>Accounting and Appropriation Data: 14.05.C2KC4CPP6C34010704011.2006000095000 000.25130000 US\$ 180,000.00 14.05.C2KC4BCPW734010704012.200600009500 0000.25130000 US\$ 217,856.76 14.06.D2KC4CWP0036060901002.200600009500 0000.25130000 US\$ 774,977.56</p>		Contract Value	Funded Value	Previous:	\$1,456,772.35	\$ 1,456,772.35	Change:	-283,928.03	-283,928.03	Current:	\$1,172,844.32	\$1,172,844.32	1	JB	1,172,844.32	1,172,844.32
	Contract Value	Funded Value															
Previous:	\$1,456,772.35	\$ 1,456,772.35															
Change:	-283,928.03	-283,928.03															
Current:	\$1,172,844.32	\$1,172,844.32															
0003AC	<p>IMPROVE DISSEMINATION, QC, AND STORAGE OF OCEANOGRAPHIC DATA</p> <p>This line item shall serve as a Notice to Proceed (NTP) for this effort. Provide all labor and materials to accomplish this task in accordance with the attached Task Management Plan (TMP). The period of performance for this task is April 13, 2006 – September 30, 2006.</p> <p>FAR 52.232-22 LIMITATION OF FUNDS (APR 1984)</p> <p>CPFF</p> <p>The funds allotted to complete this task are \$60,494.04. The fixed fee is [REDACTED]</p> <p>Accounting and Appropriation Data: 14.06.D2KC4CWP0036060901002.200600009502 0000.25130000</p>	0	EA	0.00	0.00												

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code

Page of Pages

1

5

2. Amendment/Modification No.
00083. Effective Date
Jan 5, 20074. Requisition/Purchase Req. No.
NWWG9500-7-04899

5. Project No. (if applicable)

6. Issued By

Code WG953023

7. Administered By (if other than Item 6)
SEE BLOCK 6

Code

NATIONAL DATA BUOY CENTER
RESOURCES BRANCH /W/OPS53
BUILDING 1100
STENNIS SPACE CENTER, MS 39529-6000
AMANDA M. CAREY 228-688-1705

8. Name and Address of Contractor (No., Street, County, and Zip Code)

SCIENCE APPLICATIONS INTERNATIONAL CORPO Vendor ID: 00004157
10260 CAMPUS POINT DRIVE DUNS: 148095086
MAIL STOP G2
SAN DIEGO CA 921211578 CAGE: 0T5L1

(X)

9A. Amendment of Solicitation No.

9B. Date (See Item 11)

X

10A. Modification of Contract/Order No.

QA1330-05-CQ-1035 0006

10B. Date (See Item 13)

Jul 1, 2005

Code

Facility Code

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)

See Schedule \$ 0.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.

B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)

C. This supplemental agreement is entered into pursuant to authority of:

X D. Other (Specify type of modification and authority)
FAR 52.243-2 CHANGESE. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 3 copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. The period of performance has been extended on CLIN 0002, from 08/25/06 - 09/30/06 to 08/25/06 - 12/31/06. All else remains the same.
2. Incorporate the revised TMP version 4.0 on CLIN 0003AD and extend the period of performance from 05/12/06 - 09/30/07 to 05/12/06 - 03/31/07.
3. The estimated value of CLIN 0003AA has been increased from \$39,321.31 to \$56,410.45, a net change of \$17,089.14.

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print)

BONNIE BARNUM
CONTRACTS REPRESENTATIVE

16A. Name and title of Contracting Officer (Type or Print)

MARILYN CLARK 228 688-2382
Contracting Officer
marilyn.clark@noaa.gov

15B. Contractor/Officer

15C. Date Signed

16B. United States of America

16C. Date Signed

(Signature of person authorized to sign)

1-11-07

(Signature of Contracting Officer)

Jan 8, 2006

4. The estimated value of CLIN 0003AB has been decreased from \$74,617.42 to \$63,892.42, a net change of \$10,725.00

5. The estimated value of CLIN 0003AC has been decreased from \$60,494.04 to \$54,129.90, a net change of \$6,364.14.

6. Add CLIN 0003AE in the amount of \$367,810.38. As a result of this action, page 4 has been provided as a reference of this change.

7. All else remains the same. No accounting and appropriation changes have been made in this modification.

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount								
0002	<p>TASK ORDER 05-TOS-06 ENGINEERING DESIGN, TESTING AND SUPPORT FOR CONWxB AND MON HARDENING PROJECTS II.</p> <p>Provide all labor and materials to accomplish the second set of tasks for this task order identified in the attached Task Management Plan (TMP). The performance period for this TMP is 08/25/05-12/31/06.</p> <table><tr><td>TOTAL CLIN AMOUNT</td><td>TOTAL SUM ALLOTTED</td></tr><tr><td>Previous: \$568,501.81</td><td>\$568,501.81</td></tr><tr><td>Change: \$0.00</td><td>\$0.00</td></tr><tr><td>Current: \$568,501.81</td><td>\$568,501.81</td></tr></table> <p>CPFF</p> <p>Accounting and Appropriation Data: 14.05.C2KC4BC.PW7.34.010704012.2006000095 000000.25130000.000000 US\$ 568,501.81</p>	TOTAL CLIN AMOUNT	TOTAL SUM ALLOTTED	Previous: \$568,501.81	\$568,501.81	Change: \$0.00	\$0.00	Current: \$568,501.81	\$568,501.81	1	JB	568,501.81	568,501.81
TOTAL CLIN AMOUNT	TOTAL SUM ALLOTTED												
Previous: \$568,501.81	\$568,501.81												
Change: \$0.00	\$0.00												
Current: \$568,501.81	\$568,501.81												
0003AA	<p>INFORMATIONAL SUB CONTRACT LINE ITEM</p> <p>MINERALS MANAGEMENT SERVICE (MMS) PROJECT PHASE II AND PHASE III</p> <p>This line item shall serve as a Notice to Proceed (NTP) for this effort. Provide all labor and materials to accomplish this task in accordance with the attached Task Management Plan (TMP). The period of performance for this task is 11/01/2005 - 03/31/2006.</p> <p>CPFF</p> <p>The funds allotted to accomplish this task is \$56,410.45.</p>	0	EA	NSP	NSP								
0003AB	<p>INFORMATIONAL SUB-CLIN</p> <p>REPLACEMENT WEATHER/OCEAN WORK STATION AND PCO2 SENSOR AUGMENTATION</p> <p>This line item shall serve as a Notice to Proceed (NTP) for this effort. Provide all labor and materials to accomplish this task in accordance with the attached Task Management Plan (TMP). The period of performance for this task is 11/15/2005-03/31/2006.</p> <p>CPFF</p> <p>The funds allotted to accomplish this task are \$63,892.42</p>	0	EA	NSP	NSP								
0003AC	IMPROVE DISSEMINATION, QC, AND STORAGE OF OCEANOGRAPHIC DATA	0	JB	0.00	0.00								

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0003AD	<p>This line item shall serve as a Notice to Proceed (NTP) for this effort. Provide all labor and materials to accomplish this task in accordance with the attached Task Management Plan (TMP). The period of performance for this task is April 13, 2006 - September 30, 2006.</p> <p>FAR 52.232-22 LIMITATION OF FUNDS (APR 1984)</p> <p>CPFF</p> <p>The funds allotted to complete this task are \$54,129.90.</p> <p>TECHNOLOGY DEVELOPMENT AND REFRESH FOR NDBC OCEAN MEASUREMENT PROJECTS</p> <p>This line item shall serve as a Notice to Proceed (NTP) for this effort. Provide all labor and materials to accomplish this task in accordance with the attached Task Management Plan (TMP) version 4.0. The period of performance of this task is 05/12/2006 - 09/30/2007.</p> <p>CPFF</p> <p>The funds allotted to accomplish this task are \$630,601.17.</p> <p>Accounting and Appropriation Data: 14.06.D2KC4CW.P00.36.060901002.20060000950 20000.25130000.000000</p>	0	EA	0.00	0.00
0003AE	<p>TECHNOLOGY DEVELOPMENT AND REFRESH FOR NDBC OCEAN MEASUREMENT PROJECTS</p> <p>This line item is to cover a series of indefinite tasks associated with TAO Operational and Engineering Transition Support. This line item will be triggered by operational needs and exercised by the Contracting Officer with a bi-lateral agreement between the Government and the Contractor by way of a issuance of a Notice to Proceed (NTP). The period of performance of this clin is 10/01/2006 - 03/31/2008.</p> <p>TMP Version 4.0 - Task 5</p> <p>CPFF</p> <p>The funds allotted to accomplish this task are \$367,810.38.</p> <p>Accounting and Appropriation Data: 14.05.C2KC4BC.PW7.34.010704701.2200600009 500000.02513000.000000</p>	0	EA	0.00	0.00

[illegible]

Supplies/Services

Quantity

Unit

Unit Price

Amount

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code

Page of Pages

1 2

2. Amendment/Modification No.

3. Effective Date

4. Requisition/Purchase Req. No.

5. Project No. (if applicable)

0009

Apr 20, 2007

NWWG9502-7-10703

6. Issued By

Code WG953023

7. Administered By (If other than Item 6)

Code

NATIONAL DATA BUOY CENTER
RESOURCES BRANCH /W/OPSS3
BUILDING 1100
STENNIS SPACE CENTER, MS 39529-6000
AMANDA M. CAREY 228-688-1705

SEE BLOCK 6

8. Name and Address of Contractor (No., Street, County, and Zip Code)

SCIENCE APPLICATIONS INTERNATIONAL CORPO Vendor ID: 00004157
10260 CAMPUS POINT DRIVE DUNS: 148095086
MAIL STOP G2
SAN DIEGO CA 921211578 CAGE: 0T5L1

(X)

9A. Amendment of Solicitation No.

9B. Date (See Item 11)

10A. Modification of Contract/Order No.

QA1330-05-CQ-1035 0018

10B. Date (See Item 13)

Sep 22, 2005

Code

Facility Code

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)

\$ 133,554.52

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.

B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set forth item 14, pursuant to the authority of FAR 43.103 (b)

C. This supplemental agreement is entered into pursuant to authority of:

X D. Other (Specify type of modification and authority)

FAR 52.232-22 LIMITATION OF FUNDS (APR 1984)

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. The purpose of this modification is to incrementally fund CLIN(s) 0001 for work performed on CLIN 0001AF.
a. CLIN 0001 is hereby changed from \$2,120,602.76, to \$2,254,157.28, reflecting an increase of \$133,554.52, which changes the funds applied to CLIN 0001AF from \$1,823,502.64 to \$1,957,057.16, a net increase of \$133,554.52.

Accounting:

1407E8M6J11PD585040406001200600009500000025130000 \$133,554.52

2. The above changes constitute a new Task Order funded value of \$2,956,579.32.

3. No other changes are made at this time. All other terms and conditions remain unchanged and in full effect.

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print)

16A. Name and title of Contracting Officer (Type or Print)

MARILYN CLARK

228 688-2382

Contracting Officer

marilyn.clark@noaa.gov

15B. Contractor/Officer

15C. Date Signed

16B. United States of America

16C. Date Signed

(Signature of person authorized to sign)

(Signature of Contracting Officer)

Apr 20, 2007

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0001	<p>TASK ORDER 05-TOS-18 - TAO OPERATION AND ENGINEERING TRANSITION SUPPORT</p> <p>COST PLUS FIXED FEE</p> <p>The intent of this line item is to cover a series of indefinite tasks associated with this project. This line item is to be triggered by operational needs and exercised by the Contracting Officer with a bilateral agreement between the Government and the Contractor by way of issuance of a Notice to Proceed (NTP) and subsequent acceptance. The tasks include investigating and improving engineering and operational support required for achieving NDBC's full spectrum of climate measurements on the TAO Buoys.</p> <p>FAR 52.232-22 LIMITATION OF FUNDS (APR 1984)</p> <p>The total value to accomplish this CLIN are \$2,254,157.28. This task is incrementally funded by \$2,254,157.28.</p>	1	JB	2,254,157.28	2,254,157.28
0001AF	<p>INFORMATIONAL SUBCLIN</p> <p>TAO OPERATION AND ENGINEERING TRANSITION SUPPORT FOR TAO SOFTWARE REFRESH</p> <p>This line item shall serve as a continuation/consolidation of task order 3 and subclins 1-5 within task order 18. In addition, this line item shall provide all labor and materials to support design, fabrication, integration and deployment of TAO buoys and software modifications.</p> <p>The performance period for this task is 03/25/2006 to 09/30/2007.</p> <p>CPFF</p> <p>FAR 52.232-22 LIMITATION OF FUNDS (APR 1984)</p> <p>The total value to accomplish this task are \$1,957,057.16. The maximum fee is [REDACTED] and the minimum fee is [REDACTED]. This task is incrementally funded by \$1,957,057.16.</p>	1	JB	0.00	0.00

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Page 1 of Pages 3

2. Amendment/Modification No. 0010	3. Effective Date Jun 28, 2007	4. Requisition/Purchase Req. No.	5. Project No. (If applicable)
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPS53 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 AMANDA M. CAREY 228-688-1705		7. Administered By (If other than Item 6) SEE BLOCK 6	
8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNATIONAL CORPO 10260 CAMPUS POINT DRIVE MAIL STOP G2 SAN DIEGO CA 921211578		9A. Amendment of Solicitation No. 9B. Date (See Item 11) 10A. Modification of Contract/Order No. QA1330-05-CQ-1035 0006 10B. Date (See Item 13) Jul 1, 2005	
Code		Facility Code	

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)
See Schedule \$ US 0.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set fourth item 14, pursuant to the authority of FAR 43.103 (b)
C. This supplemental agreement is entered into pursuant to authority of:
X D. Other (Specify type of modification and authority) FAR 52.243-2 CHANGES COST REIMBURSEABLE
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 3 copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

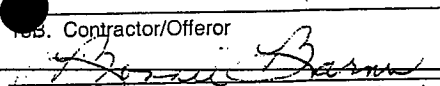
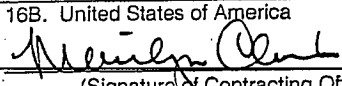
1. The purpose of this modification is to incorporate a revised TMP, increase the value of CLIN 0003AF and decrease the value of CLIN 0003AE as follows:

- a. The Task Management Plan mod 5, version 4.1 dated 03/12/07 is hereby deleted and removed. As a result of this change, TMP version 10, dated 06/11/07, is hereby incorporated into this Task Order.
- b. CLIN 0003AE is hereby changed from \$304,810.38, to \$244,217.54, reflecting a decrease of \$60,592.84.

Accounting:

1406D2KC4CWP0036060901002200600009502000025130000000000 \$ (60,592.84)

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) BONNIE BARNUM CONTRACT REPRESENTATIVE	16A. Name and title of Contracting Officer (Type or Print) MARILYN CLARK Contracting Officer marilyn.clark@noaa.gov		
15B. Contractor/Officer  (Signature of person authorized to sign)	15C. Date Signed 6/29/07	16B. United States of America  (Signature of Contracting Officer)	16C. Date Signed Jun 27, 2007

c. CLIN 0003AF is hereby changed from \$0.00, to \$60,592.84, reflecting an increase of \$60,592.84.

Accounting:

1406D2KC4CWP0036060901002200600009502000025130000000000 \$60,592.84

2. The above changes have NO effect on funded value of this Task Order. All other terms and conditions remain unchanged and in full effect.

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0003AE	<p>TECHNOLOGY DEVELOPMENT AND REFRESH FOR NDBC OCEAN MEASUREMENT PROJECTS</p> <p>This line item covers system design and development, end to end system testing and operational support to achieve full support of CONWxB measurements on NOOSS platforms. The period of performance of this clin is 06/28/07 - 02/29/08.</p> <p>TMP Version 10, dated 06/11/07</p> <p>COST PLUS FIXED FEE</p> <p>The funds allotted to accomplish this task are \$244,217.54.</p>			NSP	
0003AF	<p>TECHNOLOGY DEVELOPMENT AND REFRESH FOR NDBC OCEAN MEASUREMENT PROJECTS</p> <p>This line item is to cover a series of indefinite tasks associated with TAO Operational and Engineering Transition Support. This line item will be triggered by operational needs and exercised by the Contracting Officer with a bi-lateral agreement between the Government and the Contractor by way of a issuance of a Notice to Proceed (NTP). The period of performance of this clin is 07/01/2007 - 03/31/2008.</p> <p>COST PLUS FIXED FEE</p> <p>The funds allotted to accomplish this task are \$60,592.84.</p>			NSP	

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Page 1 of Pages 3

2. Amendment/Modification No. 0011	3. Effective Date Aug 16, 2007	4. Requisition/Purchase Req. No. NWWG9502-7-19648	5. Project No. (If applicable)
6. Issued By SCIENCE APPLICATIONS INTERNATIONAL CORPO RESOURCES BRANCH /W/OPS53 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 AMANDA M. CAREY 228-688-1705		7. Administered By (If other than Item 6) SEE BLOCK 6	

8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNATIONAL CORPO 10260 CAMPUS POINT DRIVE MAIL STOP G2 SAN DIEGO CA 921211578	Vendor ID: 00004157 DUNS: 148095086 CAGE: 0T5L1	(X)	9A. Amendment of Solicitation No.
			9B. Date (See Item 11)
		X	10A. Modification of Contract/Order No. QA1330-05-CQ-1035 0006
			10B. Date (See Item 13) Jul 1, 2005

Code	Facility Code
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11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required) \$ 40,000.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set fourth item 14, pursuant to the authority of FAR 43.103 (b)
C. This supplemental agreement is entered into pursuant to authority of:
X D. Other (Specify type of modification and authority) FAR 52.243-2 CHANGES COST REIMBURSEMENT
E. IMPORTANT: Contractor <input type="checkbox"/> is not, <input checked="" type="checkbox"/> is required to sign this document and return 3 copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. The first purpose of this modification is to increase the value of CLIN 0003 from \$1,172,844.32 to 1,212,844.32, a net increase of \$40,000.00 on accounting lines
1407E8R1DA1P1585030104000200600009500000025130000000000 \$10,000
1407E2KC4CWP0084060901002200600009500000025130000000000 \$30,000

As a result of this action, page 2 has been provided as a reference of this change on subclin 0003AF.

2. The above changes constitute a new Task Order funded value of \$2,024,726.59.

3. No other changes are made at this time. All other terms and conditions remain unchanged and in full effect.

Except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) BONNIE BARNUM CONTRACTS REPRESENTATIVE	16A. Name and title of Contracting Officer (Type or Print) MARILYN CLARK Contracting Officer marilyn.clark@noaa.gov	16B. United States of America	16C. Date Signed Aug 16, 2007
15B. Contractor/Officer 	15C. Date Signed 8/21/07	16B. United States of America 	

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0003	<p>INVESTIGATE AND IMPROVE CONWxB ENGINEERING AND OPERATIONAL SUPPORT</p> <p>The intent of this line item is to cover a series of indefinite tasks associated with this project. This line item is to be triggered by operational needs and exercised by the Contracting Officer with a bilateral agreement between the Government and the Contractor by way of issuance of a Notice to Proceed (NTP) and subsequent acceptance. The tasks include, but are not limited to, investigating and improving directional wave measurement; ocean current measurement (surface current and current profile); conductivity, temperature, and depth measurement; and inductive modem communications.</p> <p>PR #: NWWG9502-7-22750</p>	1	JB	1,212,844.32	1,212,844.32
0003AF	<p>TECHNOLOGY DEVELOPMENT AND REFRESH FOR NDBC OCEAN MEASUREMENT PROJECTS</p> <p>This line item is to cover a series of indefinite tasks associated with TAO Operational and Engineering Transition Support. This line item will be triggered by operational needs and exercised by the Contracting Officer with a bi-lateral agreement between the Government and the Contractor by way of a issuance of a Notice to Proceed (NTP). The period of performance of this clin is 07/01/2007 - 03/31/2008.</p> <p>COST PLUS FIXED FEE</p> <p>The funds allotted to accomplish this task are \$100,592.84.</p>			NSP	NSP

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Page 1 of Pages 3

2. Amendment/Modification No. 0012	3. Effective Date Dec 4, 2007	4. Requisition/Purchase Req. No.	5. Project No. (if applicable)
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPS53 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 AMANDA M. PERKINS 228-688-1705		7. Administered By (If other than Item 6) SEE BLOCK 6	

8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNATIONAL CORPO 10260 CAMPUS POINT DRIVE MAIL STOP G2 SAN DIEGO CA 921211578	Vendor ID: 00004157 DUNS: 148095086 CAGE: 0T5L1	(X)	9A. Amendment of Solicitation No.
			9B. Date (See Item 11)
		X	10A. Modification of Contract/Order No. QA1330-05-CQ-1035 0006
			10B. Date (See Item 13) Jul 1, 2005
Code	Facility Code		

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)
\$ US 0.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(X)	A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
	B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set fourth item 14, pursuant to the authority of FAR 43.103 (b)
	C. This supplemental agreement is entered into pursuant to authority of:
X	D. Other (Specify type of modification and authority) FAR 52.243-2 CHANGES COST REIMBURSEABLE
E. IMPORTANT: Contractor <input checked="" type="checkbox"/> is not, <input type="checkbox"/> is required to sign this document and return _____ copies to the issuing office.	

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. The purpose of this modification is to incorporate new insert pages to the TMP and realign CLINs, as follows:
 - a. Page 1 and Appendix D, dated 11/20/07, which constitute Change 1, are hereby inserted into TMP Version 10, dated 06/11/07, in order to accommodate a change in requirements.
 - b. CLIN 0003AE is hereby changed from \$244,217.54, to \$261,828.58, reflecting an increase of \$17,611.04 on accounting line
1407E2KC4CWP0084060901002200600009500000025130000000000 \$17,611.04

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print)	16A. Name and title of Contracting Officer (Type or Print) MARILYN CLARK Contracting Officer marilyn.clark@noaa.gov 228 688-2382
15B. Contractor/Offoror	16B. United States of America
(Signature of person authorized to sign)	(Signature of Contracting Officer) Dec 5, 2007
15C. Date Signed	16C. Date Signed

c. CLIN 0003AF is hereby changed from \$100,592.84, to \$82,981.80, reflecting a decrease of \$17,611.04 on accounting line

1407E2KC4CWP0084060901002200600009500000025130000000000 \$(17,611.04)

D. The funded value of this Task Order is \$2,024,726.59.

3. No other changes are made at this time. All other terms and conditions remain unchanged and in full effect.

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0003AE	<p>TECHNOLOGY DEVELOPMENT AND REFRESH FOR NDBC OCEAN MEASUREMENT PROJECTS</p> <p>This line item covers system design and development, end to end system testing and operational support to achieve full support of CONWxB measurements on NOOSS platforms. The period of performance of this clin is 06/28/07 - 04/30/08.</p> <p>TMP Version 10 - Change 1, dated 11/20/07</p> <p>COST PLUS FIXED FEE</p> <p>The funds allotted to accomplish this task are \$261,828.58.</p>			NSP	NSP
0003AF	<p>TECHNOLOGY DEVELOPMENT AND REFRESH FOR NDBC OCEAN MEASUREMENT PROJECTS</p> <p>This line item is to cover a series of indefinite tasks associated with TAO Operational and Engineering Transition Support. This line item will be triggered by operational needs and exercised by the Contracting Officer with a bi-lateral agreement between the Government and the Contractor by way of a issuance of a Notice to Proceed (NTP). The period of performance of this clin is 07/01/2007 - 03/31/2008.</p> <p>COST PLUS FIXED FEE</p> <p>The funds allotted to accomplish this task are \$82,981.80.</p>			NSP	NSP

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Page 1 of Pages 3

2. Amendment/Modification No. 0013	3. Effective Date Feb 20, 2008	4. Requisition/Purchase Req. No. NWWG9502-8-33429	5. Project No. (If applicable)
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPS53 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 MARILYN CLARK 228 688-2382		7. Administered By (If other than Item 6) SEE BLOCK 6	

8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNATIONAL CORPO Vendor ID: 00004157 10260 CAMPUS POINT DRIVE DUNS: 148095086 MAIL STOP G2 SAN DIEGO CA 921211578 CAGE: 0T5L1	(X)	9A. Amendment of Solicitation No.
		9B. Date (See Item 11)
	X	10A. Modification of Contract/Order No. QA1330-05-CQ-1035 0006
		10B. Date (See Item 13) Jul 1, 2005

Code Facility Code

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:
(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (If required)
\$ US 0.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

(x) A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.
FAR 52.243-2, Changes-Cost Reimbursement

B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.)
Set fourth item 14, pursuant to the authority of FAR 43.103 (b)

C. This supplemental agreement is entered into pursuant to authority of:

D. Other (Specify type of modification and authority)

E. IMPORTANT: Contractor ☒ is not, ☐ is required to sign this document and return _____ copies to the issuing office.

14. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. The purpose of this modification is to extend the Performance Periods on the following CLINs: *5/12/06 per Marilyn 3/12/08*

a. CLIN 0003AD is hereby changed from 05/12/06 - 03/31/08 to *06/28/07* - 09/30/08, an increase of 6 months.

b. CLIN 0003AE is hereby changed from 06/28/07 - 04/30/07 to 06/28/07 - 09/30/08, an increase of 5 months.

c. CLIN 0003AF is hereby changed from 07/01/07 - 03/31/08 to 07/01/07 - 09/30/08, an increase of 6 months.

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) B. Contractor/Offoror	16A. Name and title of Contracting Officer (Type or Print) MARILYN CLARK 228 688-2382 Contracting Officer marilyn.clark@noaa.gov	16B. United States of America <i>Marilyn Clark</i> (Signature of Contracting Officer)	16C. Date Signed Feb 20, 2008
(Signature of person authorized to sign)			

2. No other changes are made at this time, all other terms and conditions remain the same and in full effect.

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
0003AD	<p>TECHNOLOGY DEVELOPMENT AND REFRESH FOR NDBC OCEAN MEASUREMENT PROJECTS</p> <p>This line item shall serve as a Notice to Proceed (NTP) for this effort. Provide all labor and materials to accomplish this task in accordance with the attached Task Management Plan (TMP) version 4.1. The period of performance of this task is 05/12/2006 - 09/30/2008.</p> <p>CPFF</p> <p>The funds allotted to accomplish this task are \$1,061,411.55. The fixed fee for this task is [REDACTED]</p> <p>DELIVERY DATE: 09/30/2008</p>	0	EA	NSP	NSP
0003AE	<p>TECHNOLOGY DEVELOPMENT AND REFRESH FOR NDBC OCEAN MEASUREMENT PROJECTS</p> <p>This line item covers system design and development, end to end system testing and operational support to achieve full support of CONWxB measurements on NOOSS platforms. The period of performance of this clin is 06/28/07 - 09/30/08.</p> <p>TMP Version 10 - Change 1, dated 11/20/07</p> <p>COST PLUS FIXED FEE</p> <p>The funds allotted to accomplish this task are \$261,828.58.</p> <p>DELIVERY DATE: 09/30/2008</p>	0	EA	NSP	NSP
0003AF	<p>TECHNOLOGY DEVELOPMENT AND REFRESH FOR NDBC OCEAN MEASUREMENT PROJECTS</p> <p>This line item is to cover a series of indefinite tasks associated with TAO Operational and Engineering Transition Support. This line item will be triggered by operational needs and exercised by the Contracting Officer with a bi-lateral agreement between the Government and the Contractor by way of a issuance of a Notice to Proceed (NTP). The period of performance of this clin is 07/01/2007 - 09/30/2008.</p> <p>COST PLUS FIXED FEE</p> <p>The funds allotted to accomplish this task are \$82,981.80.</p> <p>DELIVERY DATE: 09/30/2008</p>	0	JB	NSP	NSP

AMENDMENT OF SOLICITATION/MODIFICATION OF CONTRACT

1. Contract ID Code
Page 1 of Pages 3

2. Amendment/Modification No. 0014	3. Effective Date Jun 26, 2008	4. Requisition/Purchase Req. No. NWWG9500-8-42566	5. Project No. (if applicable)
6. Issued By NATIONAL DATA BUOY CENTER RESOURCES BRANCH /W/OPS53 BUILDING 1100 STENNIS SPACE CENTER, MS 39529-6000 KURT C.WEILBAECHER 228-688-2825		7. Administered By (If other than Item 6) SEE BLOCK 6	

8. Name and Address of Contractor (No., Street, County, and Zip Code) SCIENCE APPLICATIONS INTERNATIONAL CORPO 10260 CAMPUS POINT DRIVE MAIL STOP G2 SAN DIEGO CA 921211578 Vendor ID: 00004157 DUNS: 148095086 CAGE: 0T5L1	(X)	9A. Amendment of Solicitation No.
		9B. Date (See Item 11)
	X	10A. Modification of Contract/Order No. QA1330-05-CQ-1035 0006
		10B. Date (See Item 13) Jul 1, 2005

Code Facility Code

11. THIS ITEM ONLY APPLIES TO AMENDMENTS OF SOLICITATIONS

☐ The above numbered solicitation is amended as set forth in item 14. The hour and date specified for receipt of Offers ☐ is extended ☐ is not extended. Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods:

(a) By completing items 8 and 15, and returning _____ copies of the amendment; (b) By acknowledging receipt of this amendment on each copy of the offer submitted; or (c) By separate letter or telegram which includes a reference to the solicitation and amendment numbers. FAILURE OF YOUR ACKNOWLEDGMENT TO BE RECEIVED AT THE PLACE DESIGNATED FOR THE RECEIPT OF OFFERS PRIOR TO THE HOUR AND DATE SPECIFIED MAY RESULT IN REJECTION OF YOUR OFFER. If by virtue of this amendment you desire to change an offer already submitted, such change may be made by telegram or letter, provided each telegram or letter makes reference to the solicitation and this amendment, and is received prior to the opening hour and date specified.

12. Accounting and Appropriation Data (if required)
\$ US 0.00

13. THIS ITEM APPLIES ONLY TO MODIFICATIONS OF CONTRACT/ORDERS.
IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.

A. This change order is issued pursuant to: (Specify authority) The changes set forth in item 14 are made in the Contract Order No. in item 10A.

B. The above numbered Contract/Order is modified to reflect the administrative changes (such as changes in paying office, appropriation date, etc.) Set fourth item 14, pursuant to the authority of FAR 43.103 (b)

X C. This supplemental agreement is entered into pursuant to authority of:
FAR 52.243-2 Changes Cost-Reimbursement

D. Other (Specify type of modification and authority)

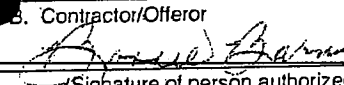
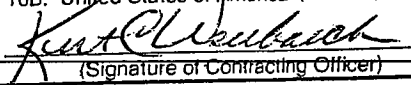
E. IMPORTANT: Contractor ☐ is not, ☒ is required to sign this document and return 1 copies to the issuing office.

4. Description of Amendment/Modification (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)

1. The purpose of this modification is to change TMP 6, version 10, change 1, dated 11/20/2007, in order to accommodate AMPS changes. As a result of this change, TMP 6, Version 10, change 2, dated 05/29/2008, is hereby incorporated into this Task Order.

2. As a result remaining funds on CLIN 003AF (\$82,981.80) will be transferred to CLIN 003AE as follows:

Except as provided herein, all terms and conditions of the document referenced in item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.

15A. Name and Title of Signer (Type or Print) BRANNIE GARNUM CONTRACTS REPRESENTATIVE	16A. Name and title of Contracting Officer (Type or Print) KURT C.WEILBAECHER Contracting Officer kurt.weilbaecher@noaa.gov
15B. Contractor/Offlor  (Signature of person authorized to sign)	15C. Date Signed 6/26/08
16B. United States of America  (Signature of Contracting Officer)	16C. Date Signed Jun 26, 2008

ACCOUNTING:

CLIN 0003AF
1407E2KC4CWP0084060901002200600009500000025130000000000 -\$12,388.96
1407D2KC4CWP0084060901002200600009502000025130000000000 -\$60,592.84
1407E8R1DA1P1584060901002200600009500000025130000000000 -\$10,000.00

CLIN 0003AE
1407E2KC4CWP0084060901002200600009500000025130000000000 +\$12,388.96
1407D2KC4CWP0084060901002200600009502000025130000000000 +\$60,592.84
1407E8R1DA1P1584060901002200600009500000025130000000000 +\$10,000.00

4. The above changes have no effect on the total funded amount
5. No other changes are made at this time. All other terms and conditions remain unchanged and in full effect.

SCHEDULE

Item No.	Supplies/Services	Quantity	Unit	Unit Price	Amount
*0003AE	<p>TECHNOLOGY DEVELOPMENT AND REFRESH FOR NDBC OCEAN MEASUREMENT PROJECTS</p> <p>This line item covers system design and development, end to end system testing and operational support to achieve full support of CONWxB measurements on NOOSS platforms. The period of performance of this clin is 06/28/07 - 09/30/08.</p> <p>TMP Version 10 - Change 2, dated 05/29/2008</p> <p>COST PLUS FIXED FEE</p> <p>The funds allotted to accomplish this task are \$344,810.38.</p>	0	EA	NSP	NSP
0003AF	<p>TECHNOLOGY DEVELOPMENT AND REFRESH FOR NDBC OCEAN MEASUREMENT PROJECTS</p> <p>This line item is to cover a series of indefinite tasks associated with TAO Operational and Engineering Transition Support. This line item will be triggered by operational needs and exercised by the Contracting Officer with a bi-lateral agreement between the Government and the Contractor by way of a issuance of a Notice to Proceed (NTP). The period of performance of this clin is 07/01/2007 - 09/30/2008.</p> <p>COST PLUS FIXED FEE</p> <p>The funds allotted to accomplish this task are \$0</p>	0	JB	NSP	NSP

TASK ORDER 05-TOS-06
CLIN 0001: TAO IT

1. Support the TAO parallel testing effort between NDBC and PMEL from November 1, 2005 through September 30, 2006. This includes but is not limited to the following activities:

- a. Software modifications to correct identified problems
- b. Configuration Management of Software/Hardware environment
- c. Production of reports per the TAO Test Plan
- d. TAO data processing and quality assurance
- e. Documentation updates as required:
 - i. TAO Architecture Document
 - ii. TAO Software Requirements Specification
 - iii. TAO DMAC/QC Operating Procedures Manual

2. Modifications to the TAO shore side processing software to support the new reporting capabilities provided by the AMPS payload.

3. Development of calibration and inventory software and operating procedures to support AMPS configured TAO Buoys.

4. Configuration and support of the Iridium communications channel to support the TAO AMPS payload.

Deliverables (add):

- Updated software as required to support the parallel test operations
- Test Comparison Reports (per test plan)
- TAO shore side AMPS payload software – February 1, 2006
- TAO Inventory and Calibration AMPS software – February 1, 2006
- TAO Iridium communications – February 1, 2006

Proposed Submittals:

- A comprehensive Approach and Management Plan for TAO IT Support
- Implementation Plan (IP)
 - Work Breakdown Structure (WBS)
 - Performance Specifications and metrics
 - Cost, Schedule and Performance Metrics
- Task Order Cost Proposal (indicating existing funding vs. new funding requirements)

Title of Task Order:	Engineering design, testing, and supports for ConWxB and MON Hardening projects (II)
NDBC Branch:	Program Planning & Integration
Performance Period:	1 August 2005 – 30 September 2006
Task Order Type: (FFP or CPFF)	CPFF
Purpose: (How this TO relate's to NDBC's Mission or What Problem needs to be solved)	For the ConWxB project, NDBC will argument its stations with more oceanographic measurements (including surface ocean currents, directional waves, ocean current profiles, conductivity/temperature profiles, etc.). In addition to what was requested in the original task order, it is also planned to add directional wave measurement on all NDBC discus buoys (3-m, 10-m, and 12-m) and add surface current or current profile measurement to all NDBC buoys. The purpose of this task order is to provide engineering design, testing, and supports for the ConWxB and MON Hardening projects so NDBC can fulfill its mission to provide more oceanographic measurements at various platforms and locations.
Background:	<p>For the buoy systems supporting the ConWxB and MON Hardening projects, the data acquisition used it the Directional Wave Measurement System (DWMS), which was designed by the Neptune Sciences under a contract with NDBC. After design and testing, DWMS was further tested and modified by NTSC and was called Wave and Marine Data Acquisition System (WAMDAS). The major application of WAMDAS is for installing on NDBC's COLOS buoys. Currently, there are several versions of COLOS/WAMDAS configuration: (i) directional wave only; (ii) directional wave & ADCP, and (iii) directional wave & CTD profile. It is planned that the final version of WAMDAS will include directional wave, ADCP, CTD (surface or profile) & met (wind speed/direction, air temp, air pressure).</p> <p>One of the major goals of the ConWxB is to add directional wave capability to all discus buoys (3-m, 10-m, and 12-m) and to add surface ocean current capability to all NDBC buoys (3-m, 6-m, 10-m, and 12-m). To achieve this goal, the design and integration packages for adding these capabilities to various NDBC buoys need to be completed.</p> <p>NDBC has successfully designed and deployed 3-m buoys with</p>

	<p>surface ocean current meters. So, the Level-A ready package was completed and can be used directly. However, the design and integration packages for 6-m, 10-m, and 12-m buoys are either incomplete or non-existent. So, these packages need to be designed and completed.</p> <p>The Angular rate sensor (ARS) configuration will be used for the directional wave augmentation. It is planned to use WAMDAS/ARS for 3-m buoys. For 10-m and 12-m buoys, DWPM/ARES will be used to minimize excessive design and testing effort.</p> <p>Although WAMDAS can measure directional wave data, it cannot be connected directly to other payloads as a standalone wave module. To augment directional waves to existing buoys, it is desired to modify and repackage the WAMDAS so it can be a standalone wave system (with smaller size and lower power consumption). The all-in-one motion package 3DM-G is used in WAMDAS. The current wave simulator cannot output 3DM-G formatted message. So, it is necessary to modify the simulator so the WAMDAS can be tested using the simulator.</p> <p>In order to properly operate ocean sensors and collect high quality data, establishment of Oceanographic Calibration Laboratory is crucial. Establishment of the Ocean Cal Lab has been fully planned. Now, it needs to be set up for operations.</p>
Scope of Effort:	<p>The scope of this task order is to provide all necessary engineering design, testing, and support to accomplish the following planned goals for the ConWxB and MON Hardening projects.</p> <ul style="list-style-type: none"> - Augment 7 3-m buoys with directional waves and ADCP (using WAMDAS). - Supplement a total of 6 C-MAN sites using COLOS buoys with directional wave and ADCP (using WAMDAS) - Augment 12 3-m buoys with directional waves, ADCPs, and CTDs (using AMPS) – this will be covered under a separate task objective statement. - Directional wave measurement on all discus buoys - Surface current measurement on all moored buoys (not including those with ADCP measurements). - Integrate 3 COLOS buoys and deploy at Lake Worth (FL), Florida Keys, and Prince William Sound (AK) – IOOS MON Hardening.

<p>Tasks:</p>	<ol style="list-style-type: none"> 1. Add met capability, using a serial all-in-one met sensor, to the WAMDAS system. 2. Evaluate and test candidate all-in-one met sensors (including but not limit to Climatronics TACMET II Weather Station and Vaisala WXT5100). Select the all-in-one met sensor to be used and integrated in the WAMDAS. 3. Design the surface current meters installed 6-m, 10-m, and 12-m buoys and establish Level-A ready package. Develop all necessary test plans and procedures to ensure proper operations of surface current meters. 4. Establish level-A ready package of the Angular Rate Sensor (ARS) wave system for 3-m buoy. Develop all necessary test plans and procedures to ensure proper operations of ARS wave systems. 5. Establish Oceanographic Calibration Laboratory in building 3206. Includes <ul style="list-style-type: none"> • Developing calibration procedures for salinity/conductivity sensors • Developing calibration procedures for ocean depth sensors • Developing calibration procedures for ocean temperature sensors • Fabrication of cabinet and counter top to enclose salinity baths • Setup of workbenches and work areas in laboratory • Installation of overhead sensor handling equipment (manufacturer lists 2 people over two workdays) • Training on use of new oceanographic calibration equipment • Develop plans, procedures, and manuals for lab operations 6. Modify and repackage the WAMDAS so it can perform as a standalone wave module to be connected to a payload (either ARES or AMPS). This wave module should be able to handle HIPPY (direct pitch/roll angle), ARS (both 3DM-G and angular-rate-sensor bracket), and MO directional wave configurations. 7. Modify the current wave simulator to output 3DM-G formatted messages instead of analog signal so the wave simulator can be used to test WAMDAS' directional wave function. 8. Investigate and improve ConWxB engineering and operational support required for achieving the scope of this task objective (including directional wave measurement, ocean current measurement – both surface current and current profile, CTD
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	measurement, inductive modem communication, etc.). Details will be provided later as more engineering design and tests are conducted and new technology is available.
Assumptions/ Constraints (Security, Safety, Accessibility, etc...)	<ol style="list-style-type: none"> 1. Design and testing for the WAMDAS with directional wave, ADCP, and CTD profile are complete under the original task order. 2. The design and Level-A ready packages for surface ocean current meter on 3-m buoys can be used as the base for other buoys. Some previous lessons learned on mounting ocean sensors can be also used or referenced. 3. Floor and logistic plans for the Ocean Calibration Lab are completed and approved by NDBC and NASA. 4. US Coast Guard or NDBC will provide deployment and service ships, boats, and/or aircraft as appropriate.
Deliverables:	<ol style="list-style-type: none"> 1. System design review for the WAMDAS with met capability. 2. Complete design and test documents for WAMDAS (both HW and SW). 3. Test report on selection of all-in-one met package. 4. Level A ready packages for installing surface current meters on 6-m, 10-m, and 12-m buoys, including plans and procedures for testing and operating the surface current meters. 5. Level A ready packages for installing ARS directional wave systems on 6-m, 10-m, and 12-m buoys, including plans and procedures for testing and operating the ARS system. 6. Complete the design and setup of the Ocean Calibration Lab. 7. Plans and procedures for operations of the Ocean Cal Lab. 8. System design review for the standalone WAMDAS directional wave module. 9. Design and test documents for the standalone WAMDAS directional wave module. 10. Modified directional wave simulator with updated document or addendums describing the design and operation of modified output format (3DM-G formatted messages).

	<p>11. Recommendations, schedules, implementation, and support efforts for potential improvements as agreed.</p> <p>12. Bi-weekly performance reports which summarizing both the actual and budgeted cost, schedule, and performance information from an earned value management (EVM) system and present the results of the earned value analysis.</p> <p>13. Bi-weekly meeting to discuss the status and progress.</p>
GFE/GFI:	<p>GFE/GFI is available to support this effort. GFE/GFI lists can be found by referring to Section J of the contract. The Government requests your technical proposal state whether you intend to utilize the available GFE/GFI. Your cost proposal shall reference whether you will use GFE/GFI and the cost impact of that decision.</p> <p>The all-in-one met sensors and all of the equipment for the Ocean Cal Lab will be provided as GFE.</p>
Program Objectives/ Possible Performance Measures:	<p>The Government requires this task order have performance-based measures that align with the Statement of Objectives and Program Goals contained in this solicitation. The contractor is required to provide a list of proposed measures for this task order with goals for level of service and the outcomes for achieving/not achieving those goals.</p>
Inspection/Acceptance:	<p>Final inspection and acceptance of all work performed, reports generated, and other deliverables will be conducted by the COTR or other designee.</p>
Travel:	<p>If travel is required to support this task order, the contractor shall provide cost estimates for all travel in the cost proposal and the travel expenses must comply with the Federal Travel Regulations.</p>
Required information and/or submittals to be included in the required Task Management Plan (TMP):	<p>1. An Approach and Management Plan for engineering tasks supporting the ConWxB and MON Hardening identified in this task order.</p> <p>2. Implementation Plan (IP)</p> <ul style="list-style-type: none"> a. Work Breakdown Structure (WBS) b. Performance Specifications and metrics c. Cost, Schedule and Performance Metrics <p>3. Task Order Cost Proposal. In addition to the cost estimate for the whole task order, it is requested the cost estimate for each individual task listed above be provided (i.e., cost breakdown for each task).</p>

TASK ORDER #6

Engineering Design, Testing, and Support for CONWxB and MON Hardening Projects

POP: 07/01/05-06/30/06

DIRECT LABOR HOURS



SAIC PROPRIETARY

Use of disclosure of the data contained on this sheet is subject to the restrictions contained on the cover letter of this proposal.

SAIC TASK MANAGEMENT PLAN

TASK ORDER RFP SOW: 05-TOS-03: Tropical Atmosphere Ocean (TAO) IT Support-MOD 3

PERIOD OF PERFORMANCE: January 1, 2006 – February 28, 2006

TO TYPE: CPFF

1.0 MODIFICATION DESCRIPTION

This modification is submitted at the request of NDBC to extend the period of performance and associated deliverables through 28 February 2006. The modification also removes two part time resources from the project whose time will be picked up under Task Order 4, DAC Support.

2.0 SCOPE, STATEMENT of WORK AND TECHNICAL/MANAGEMENT APPROACH:

- 1.1 General Scope:** This modification continues the integration of TAO processing and display capabilities as defined in the original SOW.
- 1.2 Statement of Work:** See original TMP.
- 1.3 Management Approach:** See original TMP.
- 1.4 WBS layout** (See attached .mpp file)

3.0 SCHEDULE:

3.1 Program Performance Schedule: See Attached (.mpp file). This schedule reflects the deletion of two part-time resources as specified in section 1.0.

3.2 Delivery Schedule:

Deliverables/Submittals	Due Date
TAO Software Fully Operational Capability (FOC)	February 28, 2006
Tropical Mooring DAC Fully Operational Capability (FOC)	February 28, 2006
TAO software and hardware baselines	February 28, 2006
Reports:	
<ul style="list-style-type: none"> Status reports identifying progress, problem areas and status. 	Weekly
<ul style="list-style-type: none"> Performance reports delivered which summarizes both the actual and budgeted 	Bi-Weekly - four days following the end of a period

SAIC TASK MANAGEMENT PLAN

TASK ORDER RFP SOW: 05-TOS-03: Tropical Atmosphere Ocean (TAO) IT Support-MOD 3

Deliverables/Submittals	Due Date
cost, schedule, and performance information using earned value management techniques and present the results of the earned value analysis	
• Parallel Test Results	Weekly

4.0 DELIVERABLES:

Deliverables/Submittals	Acceptance Criteria
TAO Software Fully Operational Capability (FOC)	NDBC Validation and Approval
Tropical Mooring DAC Fully Operational Capability (FOC)	NDBC Validation and Approval
TAO software and hardware baselines	Upon submission
Reports:	
• Status reports identifying progress, problem areas and status.	Upon submission
• Performance reports delivered which summarizes both the actual and budgeted cost, schedule, and performance information using earned value management techniques and present the results of the earned value analysis	Upon submission
• Parallel Test Results	Upon submission

4.0 PRICE PROPOSAL: See Attached

5.0 PAYMENT TERMS: Invoices shall be submitted upon completion of each SAIC accounting period. Payment shall be made within 30 days.

ID	Task Name	Duration	Work	Start	Finish	Qtr 1	Qtr 2	Qtr 3	Qtr 4
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Task

Progress

Milestone

Summary

Rolled Up Task

Rolled Up Milestone

Rolled Up Progress

Split

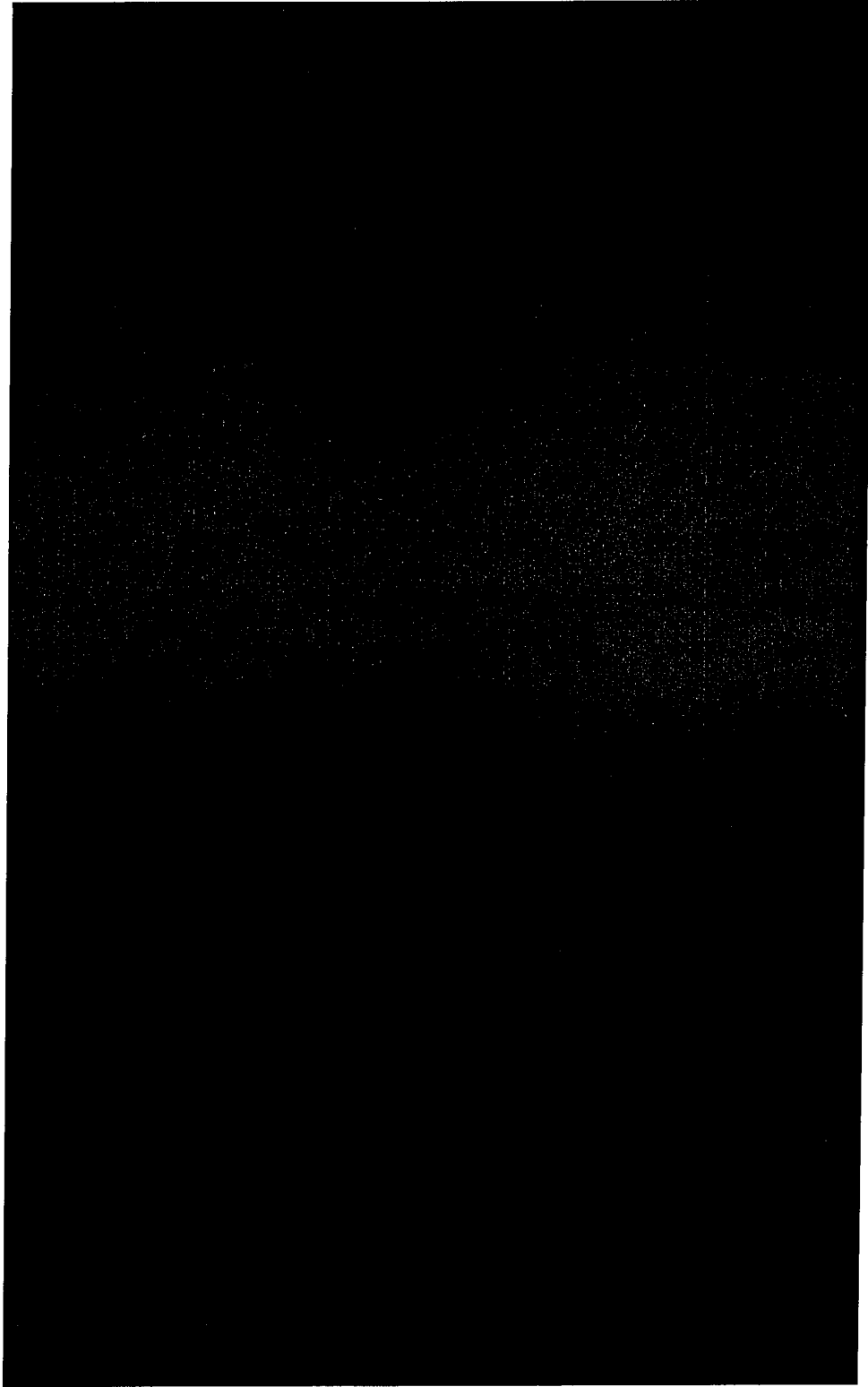
External Tasks

Project Summary

Group By Summary

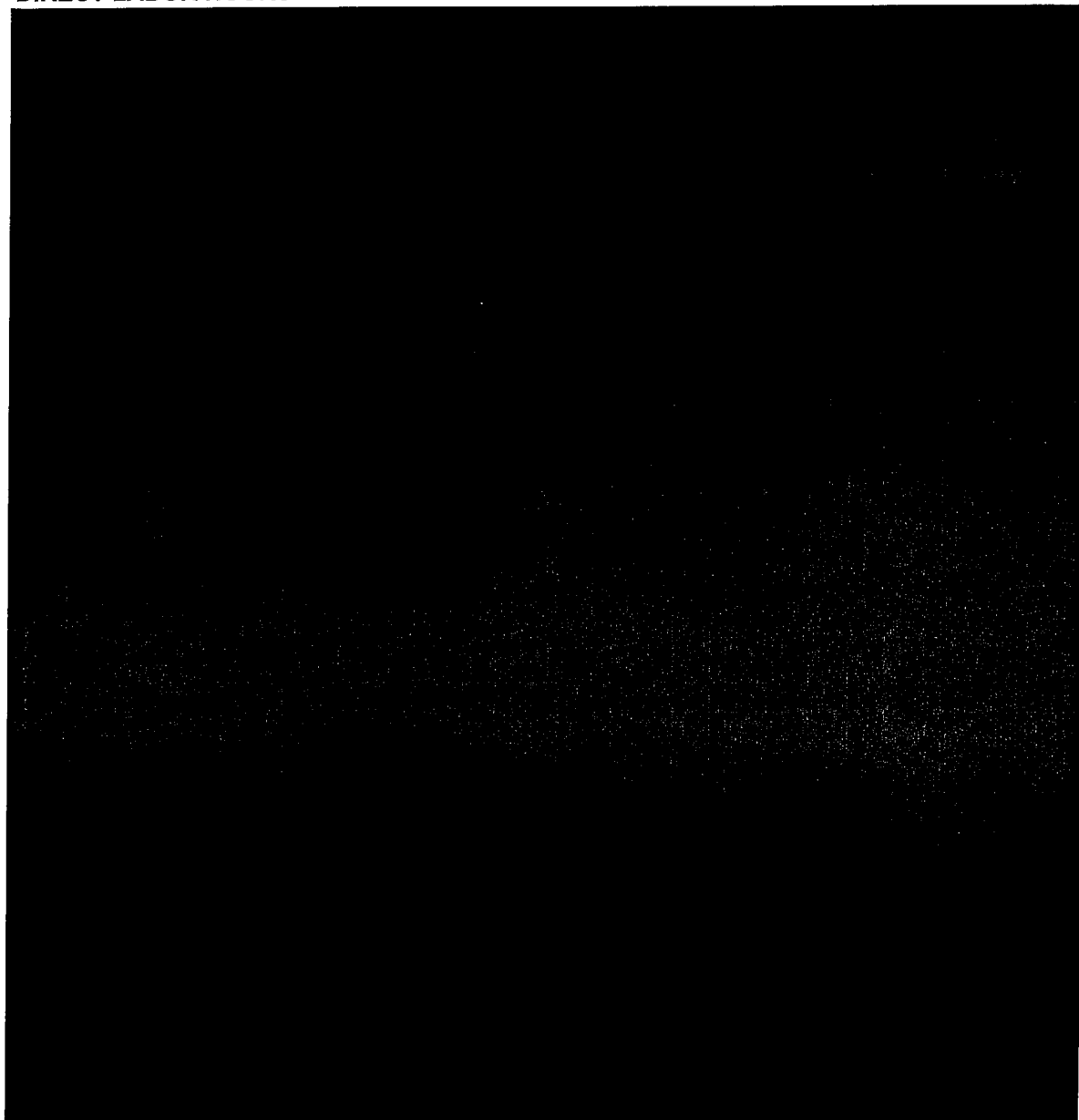
Deadline

Project: \B1100-1502\Common\WB5VF
Date: Mon 1/30/06



TASK ORDER #3
Tropical Atmosphere Ocean IT Support
POP: 07/01/05 -12/31/05

DIRECT LABOR HOURS



SAIC PROPRIETARY

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ID	Task Name	Work	Start	Finish	Qtr 4, 2006	Qtr 1, 2007	Qtr 2, 2007	Qtr 3, 2007	Qtr 4, 2007	Qtr 1, 2008
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Task

Progress

Milestone

Summary

Rolled Up Task

Rolled Up Milestone

Rolled Up Progress

Split

External Tasks

Project Summary

Group By Summary

Deadline

Task Name		Work	Start	Finish	Qtr 4, 2006		Qtr 1, 2007		Qtr 2, 2007		Qtr 3, 2007		Qtr 4, 2007		Qtr 1, 2008								
ID					Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Jan	Feb	Mar	Apr
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05-TO-06 Mod 1 rev 2 with task breakdown as of 12.13.06

Task

Progress

Milestone

Summary

Rolled Up Task

Rolled Up Milestone

Rolled Up Progress

Split

External Tasks

Project Summary

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Task

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Rolled Up Task

Rolled Up Milestone

Rolled Up Progress

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Science Applications
International Corporation

Document Number: TMP-6
Version Number: 10
Issue Date: 6/11/07

Technical Management Plan

Title: TOS-06, CLIN 0003AE Technology Development and Refresh for NDBC Ocean Measurement Projects

ORIGINATOR:

Date Signed: 7/10/07

TASK ORDER MANAGER:

Date Signed:

7/10/07

PROGRAM MANAGER:

Date Signed:

7/10/07

TECHNICAL MANAGEMENT PLAN

CHANGE PAGE

Version No.	Purpose of Change	Pages Effected	Date	Instructions
1	Initial Issue	All	7/1/05	Initial Document
2 (Mod 1)	Added CLIN 2	All	8/25/05	Supplemental Document – Retain previous versions
3 (Mod 2)	Added CLIN 3AA	All	11/1/05	Supplemental Document – Retain previous versions
4 (Mod 3)	Added CLIN 3AB	All	12/1/05	Supplemental Document – Retain previous versions
5 (Mod 4)	Added CLIN 3AC	All	4/9/06	Supplemental Document – Retain previous versions
6 (Mod 5)	Added CLIN 3AD	All	6/3/06	Supplemental Document – Retain previous versions
7 (Mod 4, V5)	Revision to CLIN 3AB	All	7/7/06	Replaces Version 5 (Mod 4)
8 (Mod 5, V4)	Revision to all Active CLINs	All	12/13/06	Replaces all previous versions – Destroy all previous versions
9 (Mod 5, V4.1)	Revision to CLIN 3AD, Add CLIN 3AE	All	3/12/07	Replaces Version 8 in its entirety Destroy all previous versions
10	Add new taskings for CLIN 3AE	All	6/11/07	Replaces Version 9 in its entirety Destroy all previous versions

Version No.	Purpose of Change	Pages Effected	Date	Instructions
10, Change 1	Revise Appendix D; Extend POP to 4/30/08	Page 1; Appendix D	11/20/07	Insert Change Pages
10, Change 2	Revise POP extension to 9/30/2008. Revise pages 1, 5, and 12. Revise Appendix D deliverable dates	Page 1, 5, 12 and Appendix D	5/29/2008	Insert Change Pages

PERIOD OF PERFORMANCE: Award Date to September 30, 2008

TO TYPE: CPEF

1.0 SCOPE

- 1.1 General Scope:** This revision to the TMP provides system design and development, end-to-end system testing and operational support to achieve full support of ConWxB measurements on NDBC NOOSS platforms, including the following: Improvements to the AMPS power system analog measurement hardware and software, and AMPSCon configuration utility. Also included is wave analysis of two 1.8m buoys.

2.0 Statement of Work:

2.1 Task 1 - AMPS System Modification

The AMPS system modification task will be broken into the following subtasks. Some of the subtasks listed were not explicitly requested in the Task Order but have been determined as necessary in order to achieve full ConWxB program support.

2.1.1 AMPS Power System Measurement/Voltage Ranges, Resolutions, and Accuracies

In order to ensure that power system measurement specifications are being satisfied, the specifications must be defined. [REDACTED]

2.1.2 Evaluate Current AMPS Hardware

The next step towards meeting the power system measurement specifications is to determine where the problem areas currently exist. [REDACTED]

2.1.3 Modify/Redesign AMPS Hardware

At this time, is it assumed that only two of the AMPS boards will need to be modified; the Analog and Patch Panel boards. [REDACTED]

2.1.4 Preliminary Design Review

The prototype designs will be provided to NDBC in the Preliminary Design Review. Upon completion of the Preliminary Design Review, the prototype designs will be sent out for layout, fabrication, and assembly.

2.1.5 Fabricate AMPS Prototype Hardware

Four of each new designed prototype board will be fabricated for testing and debugging. [REDACTED]

2.1.6 Test AMPS Prototype Hardware

Once prototype boards are available, they will be tested and debugged to prove the design. If changes are necessary these will be provided to NDBC during the Critical Design Review.

2.1.7 Critical Design Review (CDR)

The production designs will be provided to NDBC in the Critical Design Review. [REDACTED]

[REDACTED]

2.1.8 Modify AMPS Firmware

The modify AMPS firmware subtask will be further subdivided into the following line items.

2.1.8.1 Sensor Power Dropout

[REDACTED]

2.1.8.2 Analog Measurement Support

[REDACTED]

2.1.8.3 Implement Revised AMPSSCon Configuration Structure

Currently the AMPS configuration is built and written linearly and is not structure oriented. A preliminary configuration structure has been implemented in AMPSSCon. The reasons for the change to the structure are as follows:

[REDACTED]

[REDACTED]

[REDACTED]

2.1.8.4 Download of AMPS Configuration

[REDACTED]

2.1.8.5 GOES HDR Modifications

[REDACTED]

2.1.8.6 TAO Operational Enhancements

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2.1.9 Test Updated AMPS Hardware/Firmware

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

2.1.10 Update AMPS Documentation

AMPS documentation will be updated and reviewed with input from Engineering, Operations, Data Systems, and the DAC for a complete system overview.

2.1.10.1 AMPS System Design Description (SDD)

The AMPS SDD will be updated to include all omitted from Version 1.0 of the document as well as any changes due to the efforts of this TMP. Document shall adhere to ANSI-J-STD 016 as appropriate for content. Specific format of the content will be decided by SAIC. Items requiring update from Task 3 will be included here as well. A detailed outline of proposed content will be provided to NDBC for approval prior to documentation update. At a minimum the document must contain the following:

- Hardware high level design and architecture for required hardware modifications

- Circuit theory of operation and detail design in text form
- Updated AMPS analog board schematics and any other schematics requiring updates as a result of the analog board design modifications or new schematics if required.
- Software high level design and architecture for any AMPS firmware modifications required.
- Software detail design to the Software Item (SI) level for any AMPS firmware modifications required. A SI is defined as a software subroutine or function.
- Software high level design and architecture for decoding power system health data on-shore.
- Software detail design to the SI level for on-shore decoding of power system health data.

2.1.10.2 AMPS Software Maintenance Manual (SMM)

The AMPS SMM will be updated to include all new software maintenance items as well as those omitted from Version 1.0 of the document. Specifically sections 2.1.1.1, 2.1.2.1, and 2.2.4 have been requested to be updated. Document shall adhere to ANSI-J-STD 016 as appropriate for content. Specific format of the content will be decided by SAIC. Items requiring update from Task 3 will be included here as well. A detailed outline of proposed content will be provided to NDBC for approval prior to documentation update.

2.1.10.3 AMPS Software User Manual (SUM)

The AMPS SUM will be updated to include all new user items as well as those omitted from Version 1.0 of the document. Document shall adhere to ANSI-J-STD 016 as appropriate for content. Specific format of the content will be decided by SAIC. Items requiring update from Task 3 will be included here as well. A detailed outline of proposed content will be provided to NDBC for approval prior to documentation update.

2.1.10.4 Yellow AMPS Green-Tag Procedure

The Yellow AMPS Green Tag Procedure will be updated to support any new hardware or software modifications made under this task. These changes may include user menu items, signal locations as well as voltage ranges, resolutions, and passing criteria. In addition, a specific test needs to be added to test the External Compass Daughter Boards to be fabricated under TO-15.

2.1.10.5 TAO AMPS Green-Tag Procedure

The TAO AMPS Green Tag Procedure will be updated to support any new hardware or software modifications made under this task as well as Tasks 4 and 5. These changes may include user menu items and signal locations as well as voltage ranges, resolutions, and passing criteria.

2.2 Task 2 – AMPS Configuration Utility (AMPSCon)

The AMPS Configuration Utility (AMPSCon) task will be broken into the following subtasks. Some of the subtasks listed were not explicitly requested in the Task Order but have been determined as necessary in order to achieve full ConWxB program support.

2.2.1 Update AMPSCon Software

The completion of the AMPSCon Software is a two part process.

The first part is what is referred to as the Engineering or Expert portion. This effort is close to completion. This effort includes finalizing the new parameter table structure to be implemented in AMPS under Task 1. It also gives the expert user access to manually change parameters and build configurations by hand.

Once this phase is complete, the second part would be to add in all Smart or Automated user functionality. This would include click and go configurations including a Basic Yellow Buoy, Basic TAO Buoy, and Basic C-MAN. The sum goal is to create a clear, concise, and maintainable configuration method for AMPS that is in line with those currently used by MARS and ARES.

2.2.2 Test AMPSCon Software

Testing of AMPSCon software will be performed in conjunction with testing performed on AMPS firmware under Task 1. The updated AMPSCon will be used to generate test configurations used for updated certification testing.

2.2.3 Complete Update of AMPSCon Documentation

2.2.3.1 AMPSCon System/Subsystem Design Description (SDD)

The AMPSCon SDD will be updated to include all new design items as well as those omitted from Version 1.0 of the document. Document shall adhere to ANSI-J-STD 016 as appropriate for content. Specific format of the content will be decided by SAIC. A detailed outline of proposed

content will be provided to NDBC for approval, with one week turn around for comments prior to documentation update.

2.2.3.2 AMPSCon Software User Manual (SUM)

The AMPSCon SUM will be updated to include all new user items as well as those omitted from Version 1.0 of the document. Document shall adhere to ANSI-J-STD 016 as appropriate for content. Specific format of the content will be decided by SAIC. A detailed outline of proposed content will be provided to NDBC for approval, with one week turn around for comments prior to documentation update.

2.3 Task 3 – Update AMPS Compass Spin Procedure

The AMPS compass spin procedure task will be broken into the following subtasks. Some of the subtasks listed were not explicitly requested in the Task Order but have been determined as necessary in order to achieve full ConWxB program support.

2.3.1 Add AMPS Firmware for TAO Compass Correction

The AMPS firmware as delivered contains compass correction software using the gyrocompass as the true heading. However, it is not possible to mount the gyrocompass on a TAO buoy so another method must be developed for magnetic compass correction using the compass rose as true heading for the TAO enclosure.

2.3.2 Test and Debug TAO AMPS Compass Correction Firmware

Lab testing will be performed on the updated firmware to verify operation. Integrated system testing with updated hardware will be performed under Task 1.

2.3.3 Test and Debug Yellow AMPS Compass Correction Firmware

Lab testing will be performed on the updated firmware to verify operation. Integrated system with updated hardware will be performed under Task 1.

2.3.4 Generate AMPS Compass Spin Procedure for TAO

Once the AMPS firmware has been modified to support calculation of TAO compass correction coefficients, a procedure will be written for use by technicians to prepare TAO buoys for operational use.

2.3.5 Generate AMPS Compass Spin Procedure for Yellow Buoys

A procedure will be written or the current procedure modified for use by technicians to prepare AMPS Yellow Buoys for operational use.

2.3.6 Update AMPS Documentation

2.3.6.1 AMPS System Design Description (SDD)

Any changes required to the AMPS SDD will be performed under Task 1.

2.3.6.2 AMPS Software Maintenance Manual (SMM)

Any changes required to the AMPS SMM will be performed under Task 1.

2.3.6.3 AMPS Software User Manual (SUM)

Any changes required to the AMPS SUM will be performed under Task 1.

2.4 Task 4 – TAO AMPS Payload Enclosure

The initial Task 4 has been removed from this TMP per NDBC direction 6/5/2007. This task has been moved and will be accomplished and funded under TO-32 CLIN 3.

2.5 Task 5 – TAO Combined Antenna and Anemometer Relocation

The initial Task 5 has been removed from this TMP per NDBC direction 6/5/2007. This task has been moved and will be accomplished and funded under TO-32 CLIN 3.

2.6 Task 6 – Wave Analysis of CLOS5 and CLOS7

The Wave Analysis of CLOS5 and CLOS7 task will be broken into the following subtasks. Some of the subtasks listed were not explicitly requested in the Task Order but have been determined as necessary in order to achieve full ConWxB program support.

2.6.1 Data Collection and Retrieval

Prior to performing wave analysis on the two buoys the following must be performed:

1. Retrieve flash data from both buoys and process into readable data files.

2. Collect contemporaneous data from collocated Datawell Waveriders at the two sites, process into readable data files, and check for errors.
3. Collect and process other ancillary, contemporaneous data, including, but not only, data from other NDBC and CDIP stations and meteorological information from the Earth Systems Research Laboratory, ESRL reanalysis fields.

2.6.2 Study Effects of New Noise Correction Function

The following tasks are needed to evaluate the new noise correction function:

1. Mast acceleration spectra from CLOS5 and CLOS7 shall be compared to coincident spectra from the nearby Waverider buoys.
2. Assess the accuracy of the current NDBC heave transfer for the 1.8m buoy and provide an improved function R^{hH} if there is one.

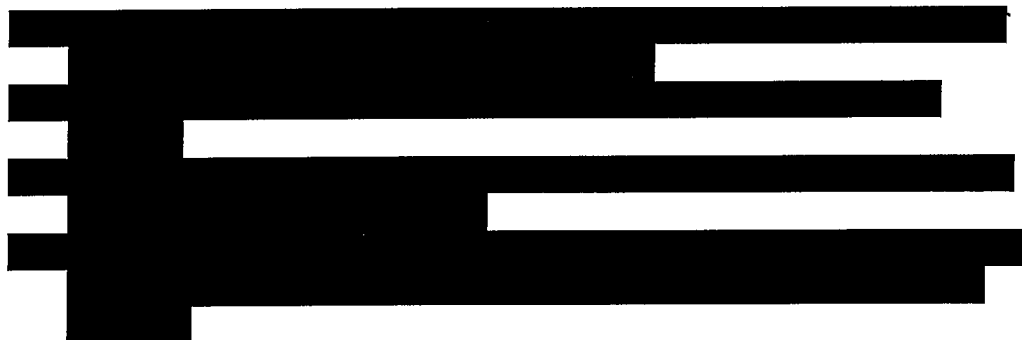
2.6.3 Study Effects of Using Particle Following Principles

1. Compute directional wave spectra including complete cross-spectra, co- and quadrature spectra, in two ways. First will be derived from pitch angle, roll angle, and heave acceleration time series. The other will be from surge, sway, and heave acceleration time series.
2. Using Mission Bay data, find long-period swell cases to be used to evaluate the low frequency directional accuracy of the NDBC 1.8m buoy.

2.6.4 Generate Test Report

The results and findings of the data analysis will be documented including the derivation of the automatic phase lag correction used in the particle-following technique.

The following will be addressed in the report:



Estimate for test report includes one round of document revision after NDBC and SAIC review with one week turnaround for comments.

2.6.5 Integration Testing

This modification will also take into effect the integration testing on the AMPS payload at the TAO Test Stand at SSC in addition to a fully configured buoy to test sensor output inductive communication and data processing. This testing will not begin until TAO Operational Enhancements are completed per section 2.1.8.6.

2.6.6 Chartering Vessel for GOM Deployments



3.0 Implementation Plan

3.1 Work Breakdown Structure

See Appendix A for the work breakdown structure.

3.2 Schedule

See Appendix B for the schedule.

3.3 Performance Specification and Metrics

See Appendix C for the Performance Specification and Metrics Table.

4.0 Points of Contact

The following personnel are primary points of contact for this TO:





5.0 Deliverables/Activities

See Appendix D for the Deliverables/Submittals Table.

6.0 ASSUMPTIONS and/or DEVIATIONS:

6.1

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

7.0 COST PROPOSAL

See attached cost proposal.

8.0 PAYMENT TERMS

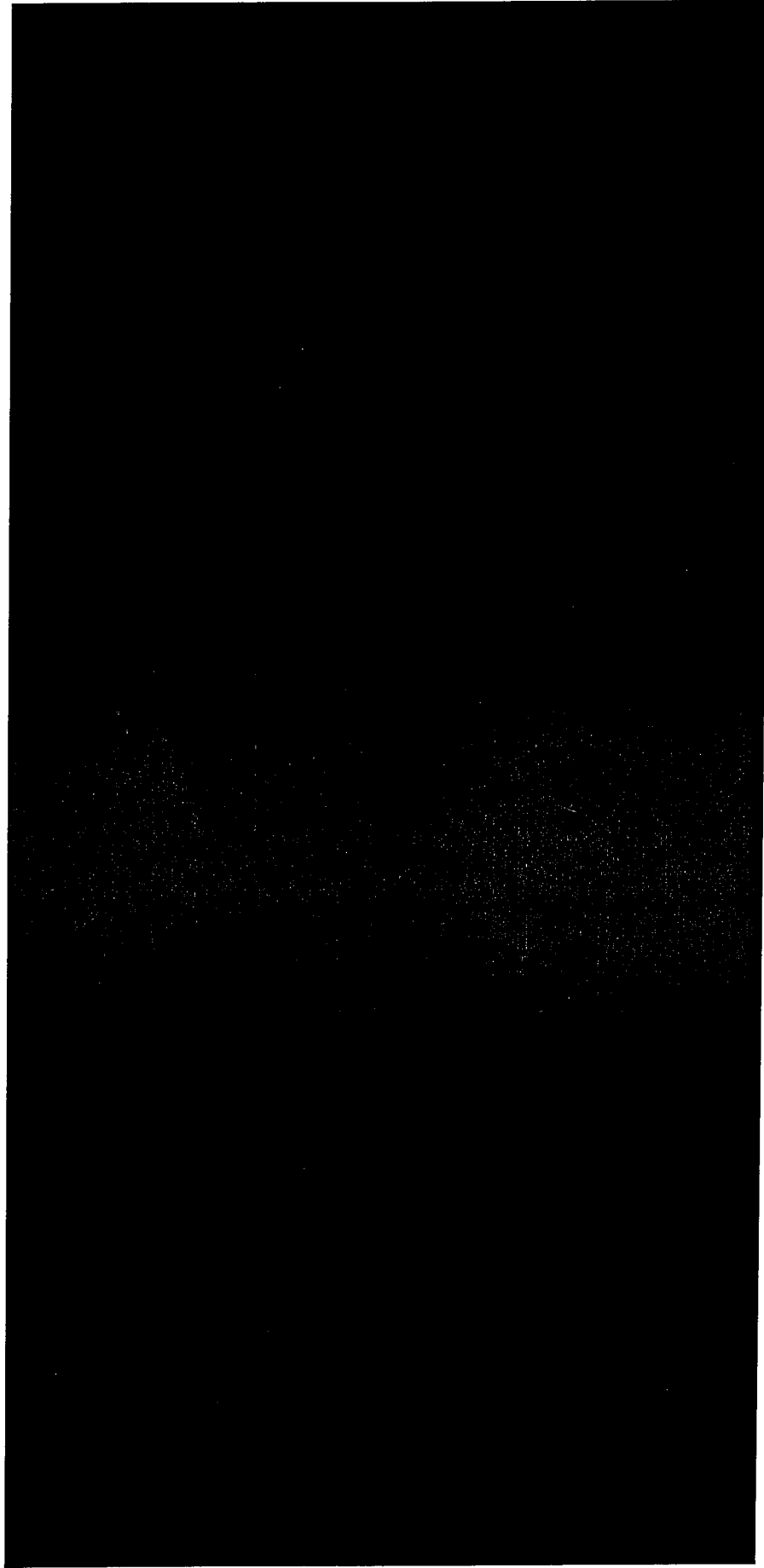
Invoices shall be submitted upon completion of each SAIC accounting period. This consists of 13 equal payments over a 1 year period of performance. Invoices shall be prorated for any performance periods less than 1 year. Payment shall be made within 30 days.



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Document Number: TMP-6
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Issue Date: 6/11/07

APPENDIX A – WORK BREAKDOWN STRUCTURE

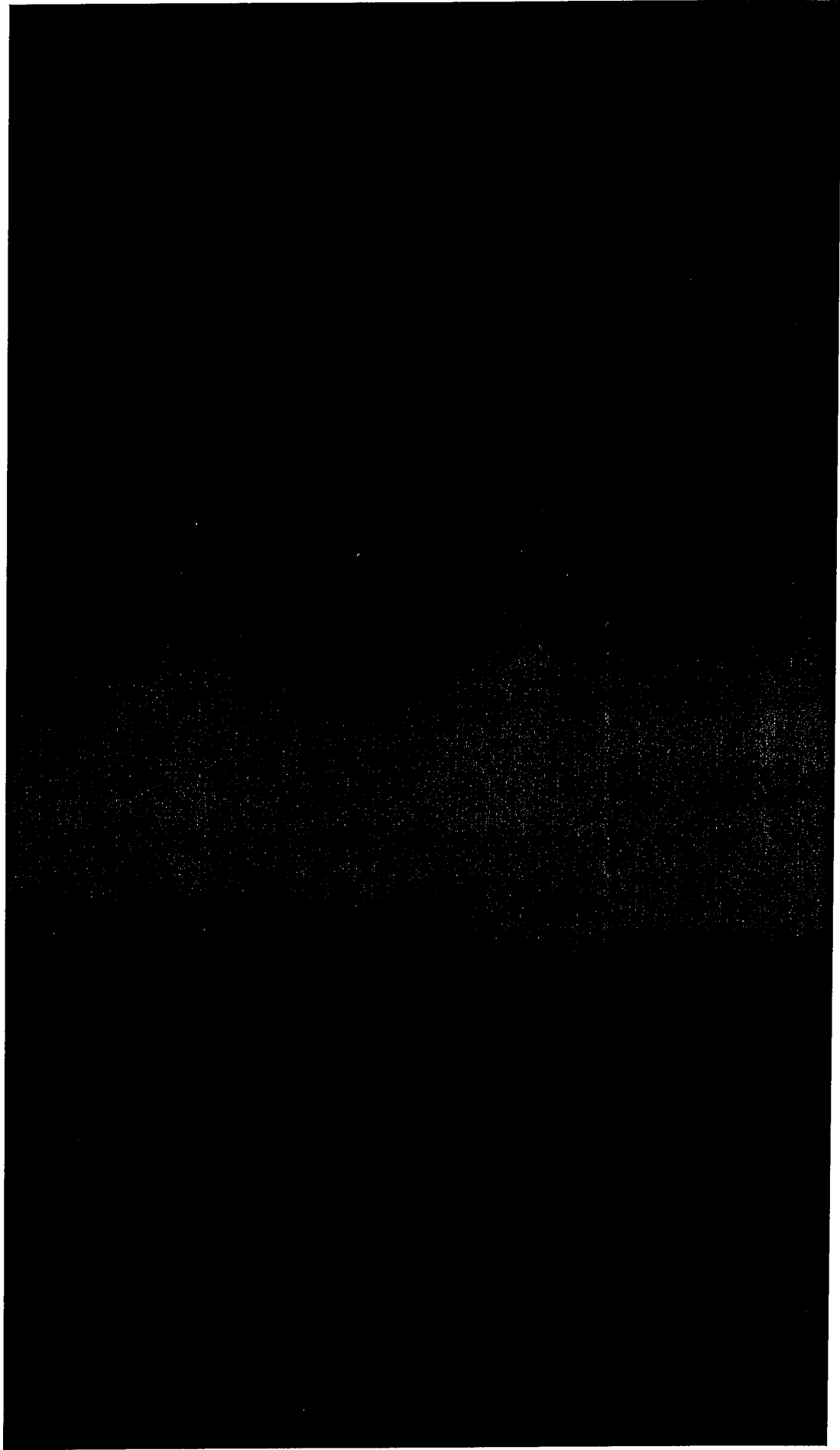




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APPENDIX B - SCHEDULE



APPENDIX C – PERFORMANCE SPECIFICATION AND METRICS



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APPENDIX D – DELIVERABLES/SUBMITTALS TABLE

A WBS and Gantt chart for this revision are attached. The Gantt chart shows an overall estimate of the schedule and was used to develop the cost estimate. The deliverable table below provides specific dates for specific deliverables.

Deliverables/Submittals		Due Date	Acceptance Criteria
AMPS System Modification			
Task 1 Deliverable 1	Power System Analog Measurement Specifications	7/23/2007	Submitted to CMO
Task 1 Deliverable 2	Updated AMPS Hardware Prototype Design	9/6/2007	Submitted to CMO
Task 1 Deliverable 3	Updated AMPS Preliminary Design Review	9/20/2007	Review Conducted
Task 1 Additional Deliverable	Four (4) Prototype AMPS Analog Boards	11/8/2007	Tagged as subassembly
Task 1 Additional Deliverable	Four (4) Prototype AMPS Patch Panel Boards	11/8/2007	Tagged as subassembly
Task 1 Additional Deliverable	Updated AMPS Critical Design Review	11/29/2007	Review Conducted
Task 1 Deliverable 4	Updated AMPS Firmware	11/22/2007	Submitted to CMO
Task 1 Additional Deliverable	Updated Hardware ESS Test Report	5/1/2008	Submitted to CMO
Task 1 Additional Deliverable	Updated Hardware ESD Test Report	4/10/2008	Submitted to CMO
Task 1 Deliverable 8	Long Term Test Plan/Configuration	5/18/2008	Submitted to NDBC
Task 1 Deliverable 9	Long Term Test Report	7/31/2008	Submitted to CMO
Task 1 Deliverable 5	AMPS SDD Update Outline	3/14/2008	Submitted to NDBC
Task 1 Additional Deliverable	AMPS SMM Update Outline	3/14/2008	Submitted to NDBC
Task 1 Additional Deliverable	AMPS SUM Update Outline	3/14/2008	Submitted to NDBC

Deliverables/Submittals		Due Date	Acceptance Criteria
Task 1 Deliverable 6	Updated AMPS SDD	8/14/2008	Submitted to CMO
Task 1 Deliverable 7	Updated AMPS SMM	8/14/2008	Submitted to CMO
Task 1 Additional Deliverable	Updated AMPS SUM	8/7/2008	Submitted to CMO
Task 1 Deliverable 10	Updated Yellow AMPS Green-Tag Procedure	3/7/2008	Submitted to CMO
Task 1 Deliverable 10	Updated TAO AMPS Green-Tag Procedure	3/7/2008	Submitted to CMO
AMPS Configuration Utility (AMPSCon)			
Task 2 Deliverable 1	Updated AMPSCon Software	11/15/2007	Submitted to CMO
Task 2 Additional Deliverable	AMPSCon SUM Outline	12/6/2007	Submitted to NDBC
Task 2 Additional Deliverable	AMPSCon SDD Outline	12/6/2007	Submitted to NDBC
Task 2 Deliverable 2	Updated AMPSCon SUM	3/7/2008	Submitted to CMO
Task 2 Deliverable 3	Updated AMPSCon SDD	3/7/2008	Submitted to CMO
AMPS Compass Spin Procedure			
Task 3 Deliverable 2	Updated Yellow AMPS Buoy Spin Procedure	8/20/2007	Submitted to CMO
Task 3 Additional Deliverable	Updated TAO AMPS Buoy Spin Procedure	9/10/2007	Submitted to CMO
Task 3 Deliverable 1	Buoy Spin Software Test Report	7/22/2008	Submitted to CMO
Task 3 Additional Deliverable	AMPS SDD Update Outline	2/14/2008	Submitted to NDBC
Task 3 Deliverable 3	Updated AMPS SDD	8/14/2008	Submitted to CMO
Task 3 Additional Deliverable	AMPS SUM Update Outline	2/14/2008	Submitted to NDBC
Task 3 Additional Deliverable	Updated AMPS SUM	7/30/2008	Submitted to CMO
TAO AMPS Payload Enclosure			
Deleted	Deleted		

Deliverables/Submittals		Due Date	Acceptance Criteria
TAO Combined Antenna and Anemometer Relocation			
Deleted	Deleted		
Wave Analysis of CLOS5 and CLOS7			
Task 6 Deliverable 1	Final Test Results Report	11/22/2007	Submitted to CMO